Speculum Anni:

OR,

SEASON on the SEASONS,

For the Year of our LORD 1773,

Being the First after

BISSEXTILE, OR LEAP YEAR.

Wherein you will find all Things neceſſary for ſuch as Work; Sun and Moon's Riſing and Setting; Moon's Southing, Planets Places and Aſpects, Eclipſes, Judgment on the Weather and on the Four Quarters; Remarks about the Sun; and Monthly Poetry.

By HENRY SEASON,

And LICENSED PHYSICIAN;

Student in the Celeſtial SCIENCES near DEVIZES.

Omnis donatio bona, & omne integrum donum, eſt ſuperne, deſcendent a Patre Luminum.

He hath given me the true Knowledge of the Courſe of the Year, and the Situation of the Stars, Diverſity of Plants, and Virtue of Roots. *Wiſd.* chap. vii. ver. 17. 19.

Great God from whence all Wiſdom flows,
From thee alone I came at firſt to know,
How that ſix Worlds round the Sun advance,
What Law they keep throughout their miſtic Dance;
When on this Globe, and where they will diſpenſe
Their Evil, or their friendly Influence:
The Property of Herbs taught me to ſcan,
Made for thy Glory, and the Uſe of Man.

The AUTHOR's Fortieth Impreſſion.

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COURTEOUS READER,

BY the divine assistance I have compleated one more Speculum; not willing to decline or drop it, whilst I am in the land of the living. Though this year I had many difficulties to encounter with, a severe sore leg hindered me, and caused my time not sufficient to compleat this laborious work; as scarce any three sheets are written or compiled with more study, care, and pains: So that if it be found not so precise, or compleated as formerly, I hope most of my friendly readers will excuse it, as I am an old writer, and have served my country for a long series of years, and often for so doing met with many scurrilous invectives: Last year I had affronted some woman by censuring them too rash; if I did I never meant it for women in general; but only for those of the virulent sort; to her reprimand a gentleman advised me to write this reply as followeth:

MADAM,

YOUR's I received, and must conclude of course
That I have lately touched the galled horse;
Else why shou'd you alone be nettled so,
To woman-kind I never was a foe,
But ne'er can be constrain'd to that mood,
To call a Jezibel, or a Job's wife good;
And what I wrote of them it was no more,
Than what the wisest men have wrote before;
Shou'd I inspect the history of times,
And thence collect a few of women's crimes,
Their facts of murder, lust, and treachery;
Which all must own, but none can justify,
Or in the least can ever it deny.
Women from women, are as opposite,
As truth from falshood, darkness is from light.
Those that are good are of angelick kind,
The bad are of a diabolic mind;

So if you are good, I will exalt your praiſe,
But if bad, you'll hear ſome ſatyred lays.

THE names of thoſe who anſwered my Enigma, were one Mr. BURY, Deadmarton; Mr. BRADFIELD, Barwick; Mrs. MOLLY PEAD; Mr. VIZER, Eaſton; Mr. ANGEL, Chippenham; Mr. TURNEL, Nottingham; Mr. WALOP's wife of Coomb, Wilts; and one or two forgot. The true anſwer was Yeaſt or Barm, Mr. LUDLOW.

I received the following anſwer to my laſt year's Enigma and Rebus, and one Paradox from Mr. WILLIAM VIZAR of Eaſton Gray, Glouceſterſhire, in the following verſes:

ALAS! how fading are the days of man!
His life a ſhadow one contracted ſpan,
A momentary ſcene on which depends
His future bliſs, yet ſenſual man intends
To hazard health, and everlaſting joys,
For neauſeous vice that ſoon his frame deſtroys;
As witneſs whoreing, drinking to exceſs,
Habit ſo vile that words cannot expreſs;
So man his own deſtroyer, takes the knife,
And like Atropos cuts his thread of life.

The rebus a whore.
The enigma was yeaſt or barm.
The anſwer ſtrong beer.
The parodox on the Word not.

Mr. ANGEL's anſwer, a grocer, from Chippenham in Wilts, wherein he has anſwered both Enigmas.

MY grandſire is barley, 'tis poſitive ſo,
My father is malt, how transformed all know;
And as for my mother no doubt is ſtrong beer,
By a nat'ral ferment to make it more clear;
Beware, ſaith our Saviour of Pharaſees leaven,
And try for that bread which came down from heav'n;

The

The ſpiritual food which from heav'n deſcend,
Then ſleep will be ſweet, and life cheerful end.

An anſwer from Mr. Joseph Turnell, County Nottingham

IN reading ſome books your riddle I found,
A notable grain that's ſow'd in the ground,
Moſt precious indeed for making malt liquor,
Which enlivens the mind and fancy makes quicker;
But the real true name as the enigma does end,
In Scripture you'll find but ſeldom e'er penn'd.

His Daughter's Anſwer fail'd.

Mr. James Wallop's Wife's Anſwer to the ſecond Enigma of Coomb, Wilts.

WHEN man has labour'd all the day,
He ſeeks for reſt in Sleep, *
And when his life is worn away,
Then Death † on him does creep.

* Sleep and † Death.

The ſame above, anſwered the Rebus in the following Li

JOIN'D to a bird is known a diſgrace,
A hammer the tool from whence muſic took pla
An oyſter the fiſh without tail or head,
A raven's prognoſtick ſome men do dread;
Ever a number none can comprehend,
If you nicely do mind what is here pen'd,
A whore is the word will compleat in the end.

An Anſwer to my Rebus by Mr Giles Ludlow, of H
kertun, Wilts.

A Woodcock, a hammer, and oyſter no doubt,
Raven, eternity, a Whore will make out.

A Para

A Paradox.

A Man and no man, was e'er the like heard?
Struck a bird 'tis ſaid, but it was no bird,
With a ſtone on a tree, a thing very rare,
But no ſtone or tree was ever found there.

The Author's Twenty-eighth Enigma.

SIX hundred years our globe of earth had roll'd
The Zodiac through, e'er man did me behold;
And many thouſands living now there be,
That ne'er will have a juſt idea of me;
When I'm at diſtance I am often ſought,
But when at hand then I am ſet at nought:
'Tis not my preſence that ſo much offend,
As my retinue that do me attend:
In ancient times I met with great reſpect,
But now a days they moſt do that neglect;
A type of wiſdom once I uſed to wear,
Tho' now that rarely's ſuffer'd to appear;
Before ſome judges I have ſhewn my face,
And have been found to bias many a caſe;
I ſeldom travel much, at leaſt to court,
But things incredible do of't report;
But yet, to virtue ſome alliance bear,
And vice will ſtop when in its full career;
For all theſe good endowments in me reign,
I act ſome times in things abſurd, and vain,
But what's moſt ſtrange, and will perhaps ſurpriſe,
I have at leaſt ſome hundred enemies.

An Enigmatic Enquiry.

A Creature once it is believ'n,
Liv'd between the earth and heav'n;
Whoſe ſon rough noiſe ſo pierc'd the ear,
That all the world it's voice might hear;

Made wild beaſts tremble, as 'tis ſaid,
A ſaint to weep, and was diſmay'd:
Peruſe theſe myſtick lines, and then,
Tell me the place, and tell me when.

A REBUS.

WITH Lucifer from heaven down it fell,
And a place where a few pious men dwe
What great men promiſe, and how it do end,
And a bird, as 'tis ſaid, that dead men attend;
A garment that men but once ever wear,
And what mankind muſt expect for to bear;
And an ancient great town in Somerſetſhire:
'Theſe initials when join'd, a name will produce,
Of a thing more commended than ever put in uſe.

QUERY.

IN 2 Chron. chap. 21. 'Tis ſaid, Letters came to Jehoram a bad king, written by Elias the prophet, when Elias was tranſlated into heaven, at that time: Now inform me when theſe letters were writ, and by whom they were ſent.

A Sho

A Short Chronolgy.

	Years.
SINCE God created all things very good	5822
Since all, ſave 8 was drowned by the flood	4163
Since Moſes born, myſterious things he wrote	3264
Since famous Troy was to deſtruction brought	2957
Since Daniel ſaved in the lions den ——	2511
Since Alexander died like other men ——	2096
Since Seneca, by Nero put to death ——	1706
Since the Chriſtian Faith in England had its birth	1686
Since Stone-Henge was by Hengiſt king erected	1319
Since Oxford its firſt college was effected	
Since Thames near dry, and ſtars were ſeen at noon	539
Since a red croſs obſerved before the moon ——	518
Since our firſt Edward, hence the Jews expell'd	481
Since men for 13 weeks a rain beheld ——	344
Since famous Raleigh by meer envy fell	158
Since Bacon lived, whoſe learning none excel	149
Since pious Charles ſubmitted to his fate, By ſons of Belial devils incarnate	124
Since mortal ſickneſs did in London rage, God grant the like may never be the age	108
Since a great comet in the month December	93
Since the great wind, which many do remember	70
Since a great froſt, from whence our corn grew dear	54
Since the ſun at 9 a ſable maſk did wear	58
Since the Wiltſhire poet was advanced high, Better live low than with ill fame to die	42
Since 'ſquire Nicholas died, my ſolid friend, And with him hoſpitality did end	34
Since at Culloden brave duke William fought But him and his famed battles near forgot	27
Since righteous Daſhwood did repeal the bill * We want to have ſuch good men living ſtill	
Since died Beckford, a bold and gracious mayor, And Wilkes advanced to be a ſtory higher	2

* Jews Bill.

A Tab'e

A Table for the Moon's Southing for Seven Months, very neceſſary for moſt Farmers, and all that breed Cattle, and to Watermen, and ſuch as travil by Water, &c. &c.

M D	Feb. h.	m.	March. h.	m.	April. h.	m.	May. h.	m.	June. h.	m.	July. h.	m.
1	7 A	12	5	54	7 a	14	7 a	45	10	4	9	38
2	8	1	6	43	8	5	8	36	9	1	10	38
3	8	52	7	33	8	58	9	30	11	1	11	39
4	9	44	8	25	9	51	10	24	morn.		morn.	
5	10	37	9	15	10	45	11	21	1	3	1	33
6	11	30	10	11	11	41	morn.		2	2	2	25
7	Morn.		11	53	morn.		1	21	2	58	3	15
8	1	16	11	59	1	36	2	22	3	52	4	1
9	2	9	morn.		2	36	3	22	4	41	4	40
10	3	1	1	54	3	35	4	19	5	25	5	32
11	3	55	2	46	4	34	5	13	6	13	6	13
12	4	44	3	42	5	30	6	13	6	56	6	57
13	5	44	4	40	6	24	6	54	7	39	7	42
14	6	40	5	37	7	15	7	36	8	22	8	22
15	7	36	6	32	8	7	8	19	9	6	9	5
16	8	32	7	25	8	49	9	2	9	17	10	4
17	9	25	8	20	9	36	9	46	10	37	10	53
18	10	12	9	9	10	17	10	29	11	25	11	44
19	11	1	9	57	11	0	11	12	after.		0 a	34
20	11	54	10	43	after.		11	58	0	14	1	24
21	after.		11	27	0	28	after.		1	4	2	14
22		40	after.		1	23	after.		1	53	3	4
23	1	34	0	11	1	53	1	32	2	43	3	54
24	2	8	0	54	2	47	2	21	3	31	4	45
25	2	51	1	38	2	35	3	11	4	28	5	37
26	3	35	2	23	3	34	4	50	5	9	6	31
27	4	20	3	8	4	24	4	30	6	0	7	27
28	5	5	3	54	5	14	5	38	6	51	8	25
29	5	59	4	42	6	3	6	20	7	44	9	24
30	6	40	5	23	6	54	7	18	8	41	10	23
31			6	23			8	9				

QUERY.

Which is the moſt abſtruſe Point to know or find out the Cauſe of Muſcular Motion, or the Diſtance of the Sun from the Earth? Attempt has been made on both Particulars, and nothing certain known but Conjecture: Or, whether any Hopes to find either?

A TABLE of TERMS and their RETURNS.

Hilary Term begins Jan. 23, and ends February 12.

Returns or Essoign-Days.		E.	R.	A.
In eight Days of St. Hilary,	Jan. 20	21	22	23
From the day of St. Hilary, in 15 days	27	28	29	30
On the Morrow of the Purif. Bless. V. Mary,	Feb. 3	4	5	6
In eight days of the Purif. of Bless. V. Mary,	9	10	11	12

Easter Term begins April 28, ends May 24.

From the day of Easter in 15 Days,	April	25	26	27	28
From the day of Easter in 3 Weeks,	May	2	3	4	5
From the day of Easter in 1 Month,		9	10	11	12
From the day of Easter in 5 Weeks,		16	17	18	19
On the Morrow of the Ascension.		21	22	23	24

Trinity Term begins June 11, ends June 30.

On the Morrow of the Holy Trinity,	June	7	8	9	11
In eight days of the Holy Trinity,		13	14	15	16
From the Holy Trinity in 15 Days,		20	21	22	23
From the day of the Holy Trinity in 3 Weeks		27	28	29	30

Michaelmas Term begins Nov. 6, ends Nov. 29.

On the Morrow of All Souls,	Nov.	3	4	5	6
On the Morrow of St. Martin,		12	13	14	15
In eight days of St. Martin,		18	19	20	22
From the day of St. Martin, in 15 days,		25	26	27	29

N. B. No Sittings in *Westminster-Hall* on Ascension-day, Midsummer day, and the 2d of *February*.

The *Exchequer* opens eight Days before any Term begins, except Trinity, before which it opens but four Days.

Note, That the first and last Days of every Term are the first and last Days of Appearance.

If men wou'd stint their drinking and their diet,
Curb all revenge and study to be quiet,
And this short maxim strictly wou'd pursue,
To do to all as they'd be done unto,
More peace, more ease, men wou'd obtain,
And they wod'd find the Goldan Age again.

January hath XXXI Days.

Full Moon the 8th Day, 9. 30m. at night.
Last Quarter 15th Day, 10. 10m. at Night,
New Moon 22d. Day, 9. 21m. at Night
First Quarter the 30th Day, at 8, 20m. at Night.

M D	☽ ♈
1	R
8	13
16	13
24	12

Tho thirtieth Day that used to be respected,
In this Un-christian age is sad neglected.

M D	W D	Remarkable Days, &c.	☉ ♒	☽ ♈ d.	☽ ♈ m.	D Set h.	D Set m.	♂ ♌	♀ ♑	♃ ♒	Remarkable Days
1	F	Circumcision.	11	17	25	0m	28	♂	4	℞	Cold and
2	S		12	29	19	1	2	7	5	20	cloudy.
3	C	Epiphany.	13	11	♉ 3	2	8	7	6	19	□ ☉ ♄
4	M	Jupiter will be	15	23	0	3	31	6	7	18	△ ♂ ♀
5	T	our Evening	16	5	♊ 10	4	2	6	9	10	♂ ☉ ☿
6	W	Star till March.	17	17	35	5	25	6	10	15	☽ apog.
7	T	The great Dog	18	0	♋ 17	6	22	6	11	♒	□ ♄ ♀
8	F	ſtar ri.es paſt 5	19	13	20	☽	Riſe	5	12	13	Rain or
9	S	at Night.	20	26	34	5	a 12	5	13	12	Snow near
10	C	1 S. aft. Epiph.	21	10	♌ 10	6	20	5	15	11	full Moon
11	M	Day break 50	22	23	47	7	32	4	16	3	
12	T	m. paſt 5.	23	7	♍ 40	8	47	4	17	0	
13	W		24	21	40	10	2	4	18	1	Froſt win
14	T		25	5	♎ 41	11	16	4	20	8	terly wea
15	F		26	19	37	Morn.		3	21	8	ther.
16	S		27	3	♏ 4	0	33	3	22	7	Perhaps
17	C	2 S. aft Epiph	28	17	48	1	49	3	23	7	falling
18	M	Queen's B. Day	29	1	♐ 54	2	49	2	24	7	Weather
19	T	kept	30	16	2	3	9	2	26	D	near this
20	W		♒	0	♑ 10	4	10	2	27	7	time.
21	T	St. Agnes	2	13	54	5	11	2	28	7	☽ Perig
22	F	Days 8 h. and	3	27	30			1	29	8	
23	S	34 min.	4	10	♒ 51			1	♑	9	
24	C	3 S. aft Epiph	5	23	57			1	2	10	
25	M	Conv. S. Paul.	6	6	♓ 44	29		♋	3	11	Cold per
26	T		7	19	10	29		29	4	12	haps Snow
27	W		8	1	♈ 21	29		29	5	13	or cold
28	T		9	13	22	29		29	6	14	Rain.
29	F		10	25	12	28		29	♒	15	✱ ♃ ☿
30	S	K Cha I. Mar	11	6	♉ 57	28		29	8	16	
31	C	4 S. aft Epiph	12	18	50	28		29	9	17	

Few similes can more exact appear,
Than life of man and the month of the year;
Seed, plants, and herbs, by frost are now entomb'd,
So infants live with cold and wet benumb'd;
They covet heat, and after light do peep,
Their time is spent in feeding, weeping, sleep.

M D	☽ Rise.		☉ Set	
1	6	5	3	55
2				
3				
4				
5				
6				
7	6	1	3	53
8				
9				
10				
11				
12				
13				
14	7	55	4	5
15				
16				
17				
18				
19				
20				
21				
22				
23				
24	7	40	4	20
25				
26				
27				
28				
29				
30				
31				

Observations.

Friendly Reader,

YOU may expect to find my Observations near the same as formerly, Miscellaneous, but on new subjects, innocent, useful, instructive, and I hope as acceptable as formerly. You that have bought my former Speculums may observe a great scope of my observations, has been to detect and suppress several reigning vices, and enormous customs that predominate this age; which are become so fixed and riveted, there remains small hopes of a change; or seeing reformation: it seems as vain to complain of (as a gentleman wrote to me) as 'twas for Xerxes in a mad fit to lash the seas in a storm; no speech though never so eloquent: no, not a Cicero, or should one rise from the dead, can or will persuade the greatest part of mankind to quit a vicious custom, or evil habit. Some years ago more than once I exhibited to my readers the mischievous effects of riots and all luxury; but I observed I might as soon alter the course of nature as reclaim an old drunkard, or one given up to a habit of unlawful pleasure, although he ventures his life for it, and generally loses it; and others, such as are left behind, that see thousands swept off by riot; yet, such is the infatuation and witchcraft of custom and pleasure, they will hearken to no reproof, or example.

February hath XXVIII Days

Full Moon the 7th Day, at 11h. 15m. in the Morn.
Last Quarter the 14th Day at 6. 14m. in the Morn.
New Moon the 21st. Day at 30m. past Noon.

M D.	♄ ♍	♃ ♓
1	12	8
8	12	9
16	11	11
24	10	13

No wonder 'tis that Fasts so much decay,
When most so little mind the Sabbath Day.

M D	W D	Remarkable Days.	☉ ♒	☽ ♊ h.	m.	☽ Set. h.	m.	♂ ♋	♀ ♈	☿ ♑	Mat. also & weather
1	M		13	☌	41	2	5	♐	12	18	☽ Apog.
2	T	Purif V. Mary	14	13	2	3	4	27	13	19	
3	W	Author's Birth	15	25	38	4	50	26	14	21	
4	T	Day.	16	3	☍ 18	5	36	26	15	22	
5	F	watches too	17	21	38	6	16	26	16	23	☌ ☌ ☿ a
6	S	fast 15 min.	18	5	♌ 11	☽ Rise.		26	18	24	Coldish
7	C	Septuag. Sund.	19	18	55	6 a	2	25	19	26	wet time.
8	M	Died a female	20	3	♍ 4	7	41	25	20	27	☌ ☌ ☿
9	T	Friend.	21	17	22	9	0	25	22	29	A moist
10	W	Days 9 hours	22	1	♎ 45	10	18	25	23	30	time.
11	T	44m.	23	16	8	11	36	24	24	♒	Cold.
12	F		24	0	♏ 27	Morn.		23	25	3	Perhaps
13	S		25	14	48	1	52	23	26	4	Rain.
14	C	Sexages. Sund.	26	28	49	2	0	23	28	5	Valentine
15	M	Day-break at	27	12	37	3	2	23	29	7	
16	T	5 h. 44 m.	28	26	35	3	58	23	♒	8	
17	W	The Sun due	29	10	♐ 2	4	44	23	2	10	☌ ♄ ☿
18	T	east at 5h. 44m.	♓	23	28	5	22	23	3	11	☽ Perig.
19	F	in the morn.	1	6	♒ 40	5	36	23	4	12	
20	S	watches fast 14	2	19	41	☽ Set.		23	5	13	Inclin'd
21	C	Shrove Sund.	3	2	♓ 25	6 a	40	23	6	15	more to
22	M		4	14	56	7	4	22	8	17	Rain or
23	T	Shrove Tuesd.	5	♈ 7	14	8	40	22	9	18	Snow.
24	W	Ash Wednesd.	6	9	♈ 18	9	57	22	10	20	St. Matth.
25	T	Days increase	7	21	14	10	52	21	11	22	
26	F	2 h. 8 min.	8	3	♉ 4	11	57	21	12	24	Snow or
27	S		9	14	2	Morn.		21	14	26	cold Rain
28	C	1 S. aft. Lent.	10	26	45			21	15	27	☌ ☉ ♄

Cold ſtill abounds and froſt do cruſt our heads,
Yet ſome few vegitables ſhew their heads,
This as a type may repreſent to ſhew,
Ween children firſt began to talk or goe;
And ſeveral things can underſtand by name,
And ſome ideas can begin to frame.

M D	☉ Riſe.	☉ Sets.	
1			
2			
3			
4			
5			
6	7 7	4 53	
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18	6 55	5 5	
19			
20			
21			
22			
23			
24	6 14	5 10	
25			
26			
27			
28			

Observations.

What I have been treating of is a clear indication how much more one given to intemperate, eſteems his liquor, habit, and company, than he values his life, or the welfare of his future ſtate: So then ſuch a one muſt be counted incorrigable: O Monſtrum! that there ſhould be men poſſeſſed with ſuch madneſs, and many of them men of parts and learning; which, notwithſtanding as the Pſalmiſt ſaith, They may be compared to the beaſts that periſheth; or worſe, for a horſe and other beaſts will drink no more than nature demands. Another reigning vice I have often exclaimed againſt, which is the profaning the Sabbath; as you may find in two of my Speculums: Is it not a horrid ſhame to a nation profeſſing Chriſtianity to pay ſo little regard to the Fourth Commandment, one of the moſt ancient precepts God gave to mankind? and what he begun, and enjoined to commerate the birth day of the world, (as Philo termed it) though, to us Chriſtians, by our Saviour's riſing from the dead on the firſt day, it is changed to that firſt day, to be kept holy as the Seventh was by the Jews, to be ſet a part for Religion; the preſent generation of men are degenerated from this ordinance much, the greateſt part of our kingdom at preſent, make the Sabbath a day of diverſion, more than a day of devotion, and hold a greater concern for their dreſs

March hath XXXI Days.

First Quarter 1st Day at 11h. 15m. in the Morning.
Full Moon the 8th Day 10h. 54m. at Night.
Last Quarter the 15th Day 2h. 22m. in the Afternoon.
New Moon the 23d Day 5h. 30m. in the Morning.
First Quarter the 31st Day, at 10 in the Morning.

This Month was famous Julius Cæsar kill'd
In the Senate House, he always 'scap'd in Field.

M D	W D	Remarkable Days, &c.	☉ ♓	☽ ♊ d.	m.	☽ Set. h.	m.	♂ ♑	♀ ♐	☿ ♒	Mut. aſpect & weather
1	M		11	8	40		51	21	16	29	St. David
2	T		12	20	58	1	50	♌	17	♓	☽ Apog.
3	W		13	3	♋ 20	2	43	21	19	2	
4	T	The 8th died	14	16	7	3	32	21	20	4	
5	F	John Nicholas,	15	29	20	4	12	21	21	6	☌ ☉ ♃
6	S	Esq;	16	13	♌ 0	4	50	21	23	8	☌ ♄ ☿
7	C	2d Sund. Lent	17	27	3	5	53	22	24	10	Some
8	M		18	11	♍ 29	☽ Rise.		22	25	11	wind, but
9	T	Herod aim'd	19	26	♎ 9	6	37	22	26	13	
10	W	to kill himself	20	10	57	7	57	22	27	15	△ ☉ ☌
11	T		21	25	52	9	19	22	29	17	☌ ♄ moiſt
12	F		22	10	♏ 36	10	39	22	30	19	weather
13	S		23	25	8	11	53	22	♓	21	now a-
14	C	3d Sund. Lent	24	9	♐ 30	Morn.		23	2	23	bout.
15	M		25	23	19	0	58	23	3	25	
16	T		26	7	♑ 0	1	20	23	5	27	
17	W		27	20	21	2	40	23	6	29	☌ ☉ ☿
18	T	Cæsar kill'd in	28	3	♒ 30	2	48	23	7	♈	
19	F	the Senate	29	16	21	3	27	23	8	3	☌ ♄ ☿
20	S	equal Day and	♈	29	10	4	1	24	10	5	☽ Perig.
21	C	Midlent Sund	1	11	♓ 26	4	31	24	11	7	Cold rain
22	M	Night	2	23	40	5	0	24	12	8	near 23 &
23	T	House	3	5	♈ 44	5	21	25	13	10	25
24	W		4	17	40	☽ Set.		25	15	12	Pretty fine
25	T	Lady Day.	5	29	31	7	a 47	25	16	14	a little
26	F		6	11	♉ 20	8	50	25	17	16	while
27	S		7	23	9	9	51	26	18	18	☌ ♃ ☿
28	C	5th S. Lent	8	5	♊ 2	10	51	26	19	20	cold cloud-
29	M	Passover, eaten	9	17	2	11	48	26	21	22	dy air, &c.
30	T	exact to a Day	10	29	10	0	40	26	22	24	□ ☌ ☿
31	W	or two	11	11	♋ 36	1	30	26	23	26	☽ Apog.

When friendly Sole does in Aries ſtation,
All nature finds a kind of Renovation;
This time alludes to youth when 'gins to learn,
And what each genius is we may diſcern;
Which way they ſeem to bend their inclination,
Whether ro ſcience, or ſome occupation.

D	☉ Riſe	☽ Sets.	OBSERVATIONS.
1			and diet; and entertain a greater concern for
2			their dreſs and diet, than for the worſhip of
3	6 34	5 26	God; or any idle habit, or impertinent ex-
4			cuſe; rather than ſpend one day in ſeven, in
5			pious exerciſe; and what augments the guilt
6			of many of them, is their laying no reſtraint
7			on children or ſervants, to keep the Sabbath,
8			they are ſeldom reproved for their negligence
9	6 22	5 38	by maſter or parents; nor by thoſe whoſe
10			duty it ought to concern: So that of late the
11			ſolemnity of the day and public worſhip is al-
12			moſt eradicated and loſt in the eſteem of ma-
13			ny. Then on the other hand, the great
14	6 13	5 47	men (many of them) ſeem as if they were
15			exempted from obſerving the Sabbath: they
16			chooſe the Sabbath chiefly to travel on, in
17			direct oppoſition to God's expreſs command,
18	6 2	5 58	as we find Exod. xx. "Thou ſhall not do
19			"any work, thy man ſervant, or thy maid
20			"ſervant, thy cattle, and the ſtranger within
21			"thy gates:" Under this complaint I might
22			obſerve, how abominably the feſtivals of our
23			church are obſerved, why for the moſt part
24			it is made a general rendevouze or time of
25	5 52	6 8	riot, and idleneſs; and amongſt the junior ſort
26			other vices worſe; ſo that theſe times which
27			were to commemorate our Saviour's birth,
28			reſurrection, and the coming of the Holy
29			Ghoſt
30			
31			

April hath XXX Days.

Full Moon the 7th Day at 8h. 50 min. Night.
Last Quarter 13th 10 min. past Midnight.
New Moon 21st Day, at 10h. 30m. Night.
First Quarter 29. h 11h. 30m. at Night.

M D	♄ ♍	♅ ♓
1	7	22
8	7	23
16	6	24
24	6	26

Cæsar to Omens he wou'd give no ear,
He sooner chose to die than live in fear.

M D	W D	Remarkable Days, &c	☉ ♈ d.	☽ m.	☽ Set. h.	m	♂ ♋	♀ ♌	☿ ♈	Remarka- Days, &c.
1	T	All Fools Day	12	24 17	2	m. 14	26	25	28	
2	F	Day break at	13	1 ♌ 28	2	51	26	26	29	
3	S	3 20 min.	14	21 5	3	26	27	27	♉	
4	C	Palm Sunday.	15	5 ♍ 4	3	57	27	29	1	Some'
5	M	Old Lady D.	16	19 28	4	28	28	30	3	Showers
6	T	Good Clocks	17	4 ♎ 10	4	56	28	♈	4	7th or 8th
7	W	and watches	18	19 20	☽ rises.		28	2	6	
8	T	equal with	19	4 ♏ 30	8	42	29	3	8	MaundyT.
9	F	the Sun 14th	20	19 40	9	36	29	5	9	Good Fri-
10	S	Day.	21	4 ♐ 32	10	55	♌	5	10	day.
11	C	Easter Sunday.	22	19 9	11	50	1	6	11	
12	M	Easter Monday	23	3 ♑ 14	Morn.		1	7	12	☽ Perig.
13	T	Easter Tuesday	24	17 4	0	52	1	8	12	
14	W	Alexander the	25	0 ♒ 27	1	36	1	9	13	Fine spring
15	T	Great poisoned	26	13 25	2	44	2	10	13	time, &c.
16	F	320 years	27	28 5	3	11	2	11	13	
17	S	before Christ.	28	8 ♓ 30	3	37	2	13	14	
18	C	1 S. aft. Easter.	29	20 41	4	0	3	14	14	
19	M	Twilight end	30	2 ♈ 41	4	23	3	15	14	
20	T	9h. 38m.	♉	14 3	☽ Set.		4	16	15	
21	W		2	26 29	7	a 52	4	18	15	
22	T		3	8 ♉ 15	8	15	4	19	℞	Some
23	F	St. George	4	20 4	9	50	5	20	15	Showers.
24	S		5	2 ♊ 57	10	44	6	22	14	
25	C	2 S. aft. Easte	6	13 51	11	34	6	23	13	St. Mark
26	M	Dukes battle	7	23 51	Morn.		6	24	12	△ ☉ ♄ □
27	T	at Culloden	8	8 ♋ 10	0	19	7	27	12	☉ ☌ ✱ ♄
28	W		9	20 30	0	55	7	28	11	☌
29	T		10	3 ♌ 15	1	31	8	29	11	☽ Apog.
30	F			16 10				♉	11	Wet

The Infant Spring is now in Splendor dreſt,
The Fields enamel'd in a verdant Veſt;
This Month a Type, when Nymphs are much employ'd
To adorn their Bodies, and improve their Pride:
With Linen, Laces, Patch, and precious Stones,
To allure the Heart, and tempt the ſimple Ones.

M D	☉ riſe h. m	☉ ſets h. m.	
1			
2			
3			
4			
5	5 38	6 22	
6			
7			
8			
9			
10	5 30	6 30	
11			
12			
13			
14			
15			
16	5 46	6 56	
17			
18			
19			
20			
21			
22			
23			
24			
25			
26	4 43	7 17	
27			
28			
29			
30			

OBSERVATIONS.

These Times are converted and taken up in the Service of our grand Enemy the Devil; a ſad Thing to reflect on, but the Conſequence of it much more ſad; more might be ſaid, but all to no purpoſe; 'tis a fixed Evil, neither Men or Angels will ever end it. Another common Vice I have inveighed againſt, which is Falſe-ſwearing; which is almoſt every where to be found, tho' but few Sins taken leſs Notice of: 'Tis become ſo cuſtomary, and ſo many are guilty of it, (who do connive at one another,) when a common Swearer is looked on by ſuch as a prophane Fellow, when many of theſe Men abovemeant, and ſome of them pretend to Religion, who do frequent Courts and Places where Oaths are adminiſtered, and ſwear what they underſtand but little about; and ſome that do ſwear ſeldom, or never think of the Conditions their Oath conſiſted of, no more than of a common Salutation, or pulling off a Hat; and yet God is invoked to aſſiſt them, and oft in Things they never aim to do: Now when an Oath is taken and found to be falſe, that will hurt another's Reputation or Intereſt, or any way prove injurious to a Man, he that takes that falſe Oath is deemed a Man perjured; but he that is going into an Office, or to have a Place of Truſt conferred upon him, or ſome honourable Poſt; he is ſworn ſtrictly to obſerve and keep all thoſe ſeveral Articles or Conditions that belong to ſuch a Place, Office, or Poſt; which if he fails to do, he is really guilty of a falſe Oath; and yet how unnoticed is this now-a-days minded?

MAY hath xxxi Days.

☽ D	♄ ♍	♅ ♓
	8	28
8	D	29
16	6	♍
24	7	2

New Moon the 6th day 4 h. 58 m. past noon.
Last Quarter the 13th day 11 h. 23 m. before noon.
Full Moon the 21st day 2 h. 45 m. post merid.
First Quarter the 29th day 9 h. 20 m. before noon.

What Lot toe'er to end our Lives befall,
'Tis God's unerring Hand directs it all.

M D	W D	Remarkable Days, &c.	☉ ♉ d.	☽ ☊ m.	☽ sets h. m.	♂ ♍	♀ ♈	♃ ♉	Mut. Aspects and Weather
1	S	St. Phil. & Jac.	11	29 4	2 M 5	8	2	℞	Perhaps few
2	C	3 S. aft East.	12	13 ♍ 3	2 33	8	3	10	Invent. Cross
3	M		13	29 45	3 1	9	4	10	showers, soon
4	T	Days increased	14	12 ♎ 30	3 28	9	5	9	fine again.
5	W	7 h. 20 min.	15	27 30	4 0	10	7	9	△ ♄ ☿
6	T	Day break	16	12 ♏ 45	☽ rises	10	8	9	□ ♂ ☿ some
7	F	1 h. 30 min.	17	28 2	8 A 35	11	9	9	rain, no cause
8	S.	Days increas.	18	13 ♐ 3	9 45	11	10	8	to doubt now
9	C	4 S. aft. East.	19	27 51	10 4	12	12	8	□ ♂ ☿ a-
10	M	7 h. 30 mm.	20	12 ♑ 22	11 40	12	13	8	bout.
11	T		21	26 19	Morn.	12	14	7	☽ Perig.
12	W	Jews feast of	22	9 ♒ 45	0 20	13	15	7	
13	T	Pentecost.	23	22 46	0 50	13	16	M	
14	F		24	5 ♓ 24	1 20	14	17	7	
15	S		25	17 44	1 46	14	19	7	
16	C	5 S. aft. East.	26	29 46	2 8	15	20	7	Dry wind.
17	M		27	11 ♈ 4	2 30	16	21	7	△ ♄ ♅
18	T		28	23 3	2 54	17	22	7	
19	W	Qu. birth-day.	29	5 ♉ 20	3 19	17	24	8	
20	T	Ascension day	30	17 8	3 46	18	26	8	
21	F	No night now	♊	28 51	☽ sets	18	27	8	
22	S	Prs. Eliz. born.	2	10 ♊ 54	8 39	18	28	9	✱ ☉ ♃
23	C	S. aft. Ascens.	3	22 57	9 31	19	30	10	finish,
24	M	Brave Earl of	4	5 ♋ 9	10 16	19	♊	11	Apog.
25	T	Staff. behead.	5	17 31	10 58	20	1	11	
26	W		5	0 ♌ 4	11 33	21	2	12	perhaps thun
27	T		6	12 52	Morn.	21	4	13	□ ☉ ♄ der
28	F		7	25 50	0 5	22	5	14	✱ ♃ ☿
29	S	K Charl Rest.	8	9 ♍ 5	0 34	22	6	15	□ ♄ ☿
30	C	Whit-sunday.	9	22 5	1 0	22	7	16	
31	M	Whit Monday.	10	8 ♎ 57	1 36	23	8	16	

Of all the Months for Pleaſure, this the Prime,
Which juſt enough may repreſent the Time,
When youthful Blood with Vigour 'gins to move,
And Male and Female ſtimulates to Love;
They eager ſeek each one to gain a Mate,
By Nature prompted, aim to propagate.

D	☉ rite h.	m.	☉ ſet: h.	m.
1				
2				
3				
4	1	25	7	35
5				
6				
7				
8	4	26	7	34
9				
10				
11				
12				
13				
14				
15	4	15	7	45
16				
17				
18				
19				
20				
21				
22				
23				
24	4	4	7	56
25				
26				
27				
28				
29				
30				
31				

OBSERVATIONS.

And yet 'tis become an univerſal Sin throughout this Nation, but being ever ſo common does not extenuate the Guilt of it; how calm ſoever this Vice may be harboured, or looked on as trifling or venal, he whoſe Eyes are in every Place, as Solomon ſaith, will pry it out, and puniſh the Offender, which is atteſted by moſt of the Prophets. This Vice is not often exclaimed at from Pulpits, but it is what I adviſe all that are ſworn into Offices ſeriouſly to conſider of. Was my Scope of Room more ſpacious, I might juſtly take notice, that of all our excellent Laws we have enacted in our Kingdom againſt Swearing, Sabbath-breakers Drunkenneſs, Extortion, Oppreſſion, and againſt thoſe that embezzle our Corn away, which is a ſore Calamity; but then to obſerve how few, and how ſeldom are any of thoſe Laws put in Execution againſt any of the above-named Vices, it is a clear Proof how little thoſe Men whoſe Duty it is to execute theſe Laws, regard the Glory of God, or Welfare of their Fellow-Creatures. Thoſe good Laws made to ſuppreſs Vice lie nearly dormant, like Things worn out, or of no Value, by thoſe whoſe Office and Duty it is to ſee they are duly kept; but in Laws that concern their own private Intereſt, Pleaſure, or Humour, when they are violated, he that doth it muſt ſoon ſuffer for his Crime.

JUNE hath xxx Days.

M D	♄ ♍	♅ ♈
1	7	4
8	7	5
16	8	6
24	8	7

Full Moon the 4th day, 12 h. 15 min. night.
Last Quarter the 12th day, 1 h. 2 min. morn.
New Moon the 20th day, 6 h. 14 min. morn.
First Quarter the 27th day, 4 h. 22 m. before noon.

This Month John Baptist forc'd to quit his Life,
To please a Strumpet, Herod's wicked Wife.

M D	W D	Remarkable Days, &c.	☉ ♊	☽ ♎ d.	m.	☽ sets. h.	m.	♂ ♌	☿ ♊	♀ ♉	Mut. Aspects and Weather
1	T	Whit Tuesd.	11	21	50	1	58	23	10	16	Perhaps some
2	W		12	3	♍ 11	2	28	24	11	18	showers.
3	T		13	21	11	3	2	24	12	20	Showery in
4	F	K. Geo. III. b	14	6	♐ 26	3	44	25	13	21	many places.
5	S	7 Stars South,	15	21	25	☽	rises	25	15	23	☽ Er. Aug. b.
6	☉	Trinity Sund.	16	6	♑ 15	9	25	26	16	24	☌ ☉ ♀
7	M	10 at night.	17	20	45	10	10	26	17	26	☽ Perig.
8	T		18	4	♒ 48	10	48	27	18	26	
9	W	Sun due E. at	19	18	20	11	16	27	19	29	
10	T	7h. 18m. morn	20	1	♓ 26	11	46	28	21	♊	Prs. Amel. b.
11	F	St. Barnabas.	21	14	4	Morn.		28	22	2	
12	S		22	26	24	0	12	29	23	4	
13	☉	1 S. aft. Trin	23	8	♈ 27	0	32	♍	24	5	Hot and fine.
14	M	Venus going	24	20	21	0	54	1	25	7	
15	T	to be an Even-	24	2	♉ 11	1	18	1	27	9	
16	W	ing-star, Jesus	25	14	0	1	45	1	28	11	
17	T	came to feast	26	26	50	2	14	2	29	13	
18	F	Pentecost, Cl.	27	7	♊ 40	2	44	2	♋	15	
19	S	and Sun equal.	28	49	51	3	24	3	2	16	☽ Apog.
20	☉	2 S. aft. Trin.	29	2	♋ 6	☽	rises.	3	3	18	
21	M	W. Lilly died.	♋	14	31	8	56	4	4	20	Rain some
22	T	Long. day	1	27	8	9	33	5	5	23	little now a-
23	W	is 16h. 30m.	2	9	♌ 54	10	6	5	6	25	□ ♅ ♀ bout
24	T	St. John Bapt	3	22	57	10	35	6	7	27	
25	F	at Devizes.	4	6	♍ 7	11	2	6	8	29	Rain & thun
26	S	The City Troy	5	19	34	11	28	7	9	♋	☌ ☉ ☿ der,
27	☉	3 S. aft. Trin	6	3	♎ 19	11	54	7	10	3	□ ♅ ☿ very
28	M	fell now about.	7	17	9	Morn.		8	11	5	□ ☉ ♅ hot.
29	T	St. Peter.	8	1	♍ 18	0	24	8	12	7	✱ ☉ ♂
30	W		9	15	47	0	54	9	13	9	✱ ☉ ♄

The Sun doth now exert his utmoſt Strength,
And Day's extended to its greateſt Length;
This Time's a Hint when Men about are hurl'd
To ſeek for Bliſs in an inconſtant World;
In full Purſuit of Honour, Wealth, or Fame,
Neglect their Souls to gain a tranſient Name.

M D	☉ riſe h.	m.	☉ ſets h.	m.
1				
2				
3				
4	3	55	8	5
5				
6				
7				
8				
9				
10	3	52	8	8
11				
12				
13				
14				
15				
16	3	46	8	14
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27	3	47	8	13
28				
29				
30				

OBSERVATIONS.

He that deſtroys Game, robs Fiſhponds, or treſpaſſes with his Waggon-wheel, will feel the Law ſooner and more ſevere than a Sabbath-breaker or Drunkard, or one given to Oaths: I might juſtly enlarge on this Subject, as it is ſo very extenſive; but I ſhall decline it, as it is a fixed Evil now reigning, having no Glympſe of Hope to find any Reformation while Libertiniſm is ſo much in vogue, and the Laws of God and Man lie ſo indolent, and ſo little thought on; beſide Lectures that have any Tendency to ſuppreſs any Vice, meet with a cold Reception, and to many ſeem a dry and impertinent Diſcourſe, and by others at beſt but as an Amuſement, to be read only, not put into Practice; and ſome may perhaps take ſome Diſguſt at it, as it toucheth them too near, and taxeth them of Crimes they are guilty of.

Wicked Men repine when their Sins they hear,
And Folly flings when good Advice is near,
He that will gain his End, or Fortune raiſe,
Muſt flatter Vice, and Villainy muſt praiſe.

Tell a great Man in Office that he takes Bribes, you will ſcarce be admitted to his Company again; or tell one, who ſhould ſet a good Example to others, of his Avarice or Immorality, or the like, you will hardly ever make the Breach of Friendſhip up again; or tell a Miſer of his Extortion, Want of Charity, &c. he will hate you and count you a Liar; and of the reſt, no vicious Perſon will contentedly hear his Failing.

JULY hath xxxi Days.

M D	☿ ♍	♃ ♈
1	9	8
8	10	8
16	10	8
24	11	9

Full Moon the 4th day, at 6 h. 55 min. morn.
Last Quarter the 11th day, 4 h. 50 min. at night.
New Moon the 19th day, 5 h. 48 min. at night.
First Quarter the 26th day, at 9 h. 37 min. at night.

This Month St. James by Herod loſt his Head,
And Becket, in his Church, was murdered.

M D	W D	Remarkable Days, &c.	☉ ♋	☽ ♐ d.	m.	☽ ſets h.	m.	♂ ♍	♀ ♋	☿ ♋	Mut. Aſpect and Weather.
1	T		10	0	26	1 M	30	9	17	17	✶ ☉ ♂
2	F	Viſ. B.V. Ma.	11	15	14	2	17	10	18	18	☽ perig.
3	S		12	0 ♑	2	3	18	11	19	20	☌ ☿ ☿
4	C	4 S. aft. Trin.	13	14	37	☽	riſes	12	21	21	Some rain
5	M		14	28	57	8	34	12	22	23	more or leſs
6	T		14	12 ♒	50	9	11	13	23	24	now about.
7	W		15	26	30	9	41	13	24	27	
8	T	Tho. Becket,	16	9 ♓	33	10	8	14	25	27	
9	F	killed in his	17	22	15	10	31	14	27	29	Good wea-
10	S	Church.	18	4 ♈	35	10	55	15	28	♌	ther as far a
11	C	5 S. aft. Trin.	19	16	41	11	18	15	29	2	I can gathe
12	M	Day dec. 26m.	20	28	38	11	43	16	♌	4	△ ♃ ☿
13	T		21	10 ♉	27	Morn.		17	2	5	✶ ♄ ☿
14	W		22	22	15	0	11	17	3	7	
15	T	St. Swithin.	23	4 ♊	11	0	43	18	5	9	
16	F		24	16	15	1	20	19	6	11	
17	S		25	28	29	2	2	19	7	13	
18	C	6 S. aft. Trin.	26	10 ♋	55	2	51	20	9	15	☽ Apog.
19	M	Gen. Monk	27	23	38	☽	ſets	21	10	16	□ ♃ ☿ a
20	T	St. Margaret.	28	6 ♌	30	8 A	2	21	11	18	little wet.
21	W	rout at Deviz.	29	19	39	8	36	22	12	20	✶ ♄ ☿
22	T	Q. Denm. bo.	30	2 ♍	57	9	4	23	13	22	Dry.
23	F	Broomham	♌	16	28	9	30	23	15	23	
24	S	houſe burnt.	2	0 ♎	8	9	58	24	16	25	
25	C	7 S. aft. Trin.	3	13	57	10	24	24	17	26	St. James.
26	M	St. Ann Mo-	4	27	54	10	54	25	19	28	
27	T	ther of the B.	5	12 ♏	4	11	30	25	20	29	A few
28	W	Virg. Mary.	6	26	15	Morn.		26	21	♍	ſhowers,
29	T	Dog-daysbeg	7	10 ♐	36	0	11	26	22	2	and ſeaſon-
30	F		8	25	0	0	58	27	23	3	able.
31	S		9	9 ♑	20	1	56	28		5	

This Month the Farmer eaſy may inſpect
What Crops of Corn in Harveſt to expect:
This Time a juſt Similitude may bear
To the Stage of Life, when we begin to hear,
How Men the Conduct of their Life do ſteer,
Whether to Vice or Virtue they adhere.

	☉ riſe h.	m.	☉ ſets h.	m.
1				
2				
3				
4				
5				
6				
7				
8	3	56	8	4
9				
10				
11				
12				
13				
14	4	8	7	52
15				
16				
17				
18				
19				
20				
21	4	16	7	44
22				
23				
24				
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28				
29				
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31				

OBSERVATIONS.

In the Year 1771, Readers, you might obſerve I juſt penned down the Excellency of the Art of Phyſick, how it has been termed a divine Science, and more of late how its Honour has been ſullied, and its Properties invaded by whole Troops of Quack Noſtrums, pretended Catholicons, which I then in a great meaſure demonſtrated was inconſiſtent, and no way poſſible to cure ſcarce the twentieth Part of Diſeaſes 'tis recommended for by its Author; and moreover I there informed you theſe univerſal cried-up Medicines cannot properly be ſaid to be fit to cure one and the ſame Diſeaſe with any Probability in two different Perſons; for ſhould it cure one, Nature and the ſeveral Variations in the ſame Diſeaſe renders the Medicine, as often hurtful to one, as it was beneficial to the other; a Train of Reaſons may be brought to prove it, which are all obvious to one that underſtands the Animal Oeconomy, and the *Materia Medica*: An honeſt and real Phyſician is an Aſſiſtant to Nature, and ought to know perfectly the Nature of the Diſeaſe he trys to cure; but were theſe pretended Medicines to be depended on, the Art of Phyſick would loſe all its Dignity, and become no Art at all, or but a Whim as ſome have jok'd it; but I ſhall cloſe all and ever drop this, as 'tis a Grievance unalterable; one great Cauſe theſe Empirical Medicines ſo much abound and increaſe is, I have learnt out, that thoſe whoſe Duty and Buſineſs it is to cook up and provide fit Medicines for the Phyſician, do careleſsly or wilfully neglect to make them, and ſo foſter up ſome *Succedaneum* or caſtrated Medicine or other. The new Diſpenſary have abridged near one half, and they that make them ſince abridge a third Part more.

AUGUST hath xxxi Days.

M D	♄ ♍	♅ ♌
1	11	♄
8	12	9
16	13	8
24	14	8

New Moon the 2d day, at 4h. 27m. at night.
First Quarter the 10th day, at 10 h. 9 m. at Night.
Full Moon the 18th day, at 5 h. 12 min. morn.
Last Quarter the 25th day, at 2 h. 31 min. morn.

This Month Bartholomew was flead alive,
What Devil could invent such Cruelty.

M D	☽ D	Remarkable Days, &c.	☉ ♌	☽ ♄ d.	m	☽ sets h.	m.	♂ ♍	♀ ♌	☿ ♍	Mut. Aspects and Weather
1	C	8 S. aft. Trin.	9	23	0	3	1	28	25	6	Lammas-D.
2	M		10	7	♒ 3	☽ rises		29	26	8	☽ Perig.
3	T	Jesus now	11	21	13	4	A 40	30	27	9	Harvest goes
4	W	preached in	12	4	♓ 34	8	6	♎ 1	28	10	on pretty
5	T	Galilee.	13	7	30	8	32	1	30	11	well.
6	F		14	0	♈ 10	8	57	1	♍	12	
7	S		15	12	30	9	19	2	2	12	Fine, and so
8	C	9 S. aft. Trin.	16	24	30	9	45	3	3	13	on.
9	M	7 Stars rise at	17	6	♉ 22	10	12	3	4	14	
10	T	10 at night.	18	18	24	10	40	4	6	15	
11	W	Prs. Brunf. bo.	19	0	♊ 15	11	17	5	7	16	☌ ♅ ♂ hot
12	T	Pr. Wales bo.	20	12	12	11	58	5	8	17	ir, perhaps
13	F		21	24	7	Morn.		6	9	17	thunder.
14	S		22	6	♋ 39	0	43	7	10	17	☽ Apog.
15	C	10 S. aft. Trin.	23	19	15	1	36	7	11	18	
16	M		24	2	♌ 5	2	37	8	12	19	
17	T		25	15	20	3	44	9	13	19	
18	W	K. Cha. set up	26	28	48	☽ sets		10	14	20	
19	T	his standard at	27	12	♍ 31	7	A 35	10	15	20	
20	F	Nottingham.	28	26	29	8	6	11	17	21	
21	S	Pr. W. H bo.	29	10	♎ 32	8	34	11	19	21	♂ ♀ ☿ som
22	C	11 S. aft. Trin.	♍	24	42	9	5	12	22	21	wet I have
23	M		1	8	♏ 54	9	38	13	21	♑	reason to
24	T	St. Bartholom.	1	23	7	10	17	13	23	21	conclude.
25	W		2	7	♐ 17	11	2	14	24	21	
26	T	Watches near	3	21	25	11	57	15	25	20	St. John Bap
27	F	equal with	4	5	♑ 27	Morn.		15	26	20	beheaded.
28	S	the Sun.	5	19	22	0	57	16	28	19	☌ ☉ ♅ thun
29	C	12 S. aft. Trin.	6	3	♒ 7	2	11	17	29	18	der likely
30	M		7	16	39	3	10	17	♎	18	now about.
31	T		8	29	56	4	21	18	1	17	☽ Perig.

This Month's attended with much Care and Pains,
One for the Farmers, the other to the Swains;
It figures Life, when Men exert their Care,
Both for themselves and Offspring to prepare:
Who'll blame a Man for his Industry,
But a Miser's one not fit to live or die.

M D	☉ rises h. m	☉ sets h. m
1		
2		
3		
4	4 24	7 36
5		
6		
7		
8	4 32	7 28
9		
10		
11		
12		
13		
14		
15		
16	4 47	7 13
17		
18		
19		
20		
21		
22		
23		
24		
25	5 26	6 58
26		
27		
28		
29	5 13	6 47
30		
31		

Observations.

Reader, on the following Pages I shall treat on and unravel to thee a Piece of Philosophy, touching the inscrutable Works of the Almighty in creating numerous Tribes of invisible Creatures, which we term Animalcules, of which scarce a Drop of Water without them, nor Herb, Leaf or Fruit, and especially the Plumb; nay, on our very Teeth and Gums; and are found by a Microscope to be so infinitely small, that a Mite of the Cheese exceeds one of these Insects (if I may so call them) by many thousand Times; and these Glasses by which this Discovery is made, some of them will magnify 30,000 Times: This for two Centuries ago the Man of the most profound Learning was ignorant of, nor ever in the least imagined it. 'Tis no small Surprise to examine what wonderful, and some useful Discoveries, have been found out by the Microscope, touching the internal and external Part of the human Composition or Frame; but of this more in further Pages. Our great Searchers into the Curiosities of Nature or Mystery of Providence tell us, that every living Creature is inhabited by Creatures invisible to the natural Eye, viz. the Flea has a numerous Parcel about him, that perplex him as he does us; and the Louse is a lousy Creature; and some have affirmed the Leviathan or Whale has more living Creatures about and in him than there are of all the visible Creatures on the Earth.

Tho'

SEPTEMBER hath xxx Days.

M D	♄ ♍	♃ ♈
1	15	7
8	18	6
16	17	6
24	18	5

Full Moon the 1st day, at 3 h. 41 min. in morn.
Last Quarter the 9th day, at 4 h. 20 min. in morn.
New Moon the 16th day, at 3h. 45m. in aftern.
First Quarter the 23d day, 6 h. 40 min. in morn.
Full Moon the 30th day at 6 h. 12 min. aftern.

Reader, whatever thou doſt mind beſide,
Both Wood and Coals for Winter, ſee provide.

M D	W D	Remarkable Days, &c.	☉ ♍	☽ ♓ d. m.	☽ mes. h. m	♂ ♎	♀ ♎	☿ ♍	Mut. Aſpect and Weather
1	W	Briſtol Fair.	9	13 17	6 A 42	18	2	17	Cloudy & rain.
2	T		10	26 2	7 10	19	4	16	♂ ♄ ☿
3	F	Day decr. 3 h.	11	8 ♈ 32	7 30	20	5	16	
4	S	20 min.	12	20 47	7 54	20	6	15	
5	C	13 S. aft. Trin.	13	2 ♉ 51	8 20	21	7	14	☽ ♃ ♀
6	M		14	14 47	8 50	22	9	12	Dry winds.
7	T	Dog-days end.	15	26 38	9 24	22	10	11	
8	W	Nat. B. Virg.	16	8 ♊ 30	10 1	23	11	10	♂ ☉ ♄ ☽
9	T	Mary.	17	20 30	10 46	24	12	9	cold cloudy
10	F	Nol Cromwell	18	2 ♋ 34	11 35	24	14	9	air, perhaps a
11	S	left the world	19	14 54	Morn.	25	15	8	little rain.
12	C	14 S. aft. Trin.	20	29 32	0 31	25	16	7	☽ Apog.
13	M	in a great wind.	21	10 ♌ 30	1 31	26	17	7	
14	T	Holy Cross.	22	23 51	2 41	27	18	D	
15	W		23	7 34	3 48	27	20	8	
16	T	The time the	24	21 38	☽ ſets	28	21	8	
17	F	Jews aimed to	25	6 ♎ 0	6 44	29	22	9	
18	S	kill St. Paul.	26	20 30	7 16	♍	23	10	
19	C	15 S. aft. Trin	27	5 ♍ 5	7 48	1	25	10	Wet weather
20	M		28	19 40	8 26	1	26	11	
21	T	St. Matthew.	29	4 ♐ 10	9 9	2	27	12	
22	W	Equal Day and	♎	18 28	10 2	2	28	13	K. G. III. cr
23	T	Night.	2	2 ♑ 33	11 1	3	30	14	Ember Week
24	F		3	10 25	Morn.	3	♍	15	Rain now a-
25	S		4	0 ♒ 4	0 1	4	2	17	♂ ♄ ☿ bout.
26	C	16 S. aft. Trin.	5	13 24	0 12	5	3	18	☽ Perig.
27	M		6	26 30	2 20	5	4	20	☽ ☉ ♃
28	T		7	9 ♓ 25	3 31	6	6	21	♂ ♂ ♀
29	W	St. Michael.	7	22 0	4 40	7	7	22	
30	T	Days decr. 4 h. 1 min.	8	4 ♈ 34	5 38	8	8	24	Some wet.

The Season of the Year, which now we see,
So like Mankind, when that they Fifty be.
Days now more short, and Heat more remiss we find,
So Strength decays, and Beauty's found declin'd:
And this into their Minds Men should instil
Their Wheel of Life is going down the Hill.

M D	☉ rises h.	m.	☉ sets h.	m.
1				
2				
3				
4				
5				
6				
7				
8				
9				
10	5	34	6	26
11				
12				
13				
14				
15				
16	5	42	6	18
17				
18				
19				
20	5	54	6	6
21				
22				
23				
24				
25	6	2	5	58
26				
27				
28				
29				
30				

OBSERVATIONS.

Tho' this I know will seem a Paradox and incredible to many vulgar or common Readers, who will scarce believe what the Learned affirm concerning the Mites found in Cheese, that the Bulk of one of them is known to be of a middle Size to all known Creatures in the World that we have seen, and that there are as many lesser Creatures as there are bigger: These invisible Species I have been treating of, some have given a Description of them in Print, and shewn their Shape and the various Kinds of them, my Time nor Room here will allow me to insert; but only of one which has been termed a Wheel Animalcula, which has been found in Water wherein Clover has been infused; these Creatures present themselves with what resembles a Wheel on their Heads, which vibrates to and fro like the Wheel on the Watch-plate, till at Length shoots out Horns bending inwards, which by their Motion the Water seems to move in Waves, and these Animalculas by contracting their Horns seem to bring some Kind of Nourishment of some lesser Creatures to their Mouths, which must be infinitely smaller. By these Glasses of *Lewinhock*, we came to know those troublesome Irruptions in the Skin which we term Prickles or the Itch, is found to be an Animalcula, which I myself have observed in Company with one skilled in Curiosities, having one of these Glasses he hooked out one of these small Creatures out of a Girl's Thumb under the Nail which seemed near dead. This I saw with a Glass, that would magnify about 5000 Times.

By

OCTOBER hath xxxi Days.

M D	♄ ♍	♃ ♈
1	19	3
8	20	2
16	21	2
24	22	1

Last Quarter the 8th day, at 10h. 15 m. at night.
New Moon the 16th day, at 1 h. 48 m. morn.
First Quarter the 22d day, 4 h. 28 min. afternoon.
Full Moon the 30th day, at 11 h. 8 m. morn.

When Winter's come, and Froſt is grown ſevere,
And Fire wanting, who the Cold can bear?

M D	W D	Remarkable Days, &c.	☉ ♎	☽ ♈ h.	m.	☽ riſes h.	m.	♂ ♍	♀ ♍	☿ ♍	Mut. Aſpect and Weather.
1	F	Sun due Eaſt	8	16	38	6	10	8	9	25	
2	S	5 h. 14 min.	9	28	4	6	34	9	11	27	
3	C	17 S. aft. Trin.	10	10 ♉	4	7	2	10	12	29	Some little
4	M		11	22	37	7	32	10	13	♎	rain.
5	I	Died Mr. John	12	4 ♊	27	8	6	11	14	2	
6	W	Sharp, Weſt-	13	16	20	8	44	12	15	4	
7	Γ	Wicomb, a	14	28	15	9	37	13	17	6	
8	F	great aſtrono-	15	10 ♋	19	10	24	13	18	8	
9	S	mer, and ho-	16	22	35	11	24	14	19	9	☽ Apog.
10	C	18 S. aft. Trin.	17	5 ♌	9	Morn.		15	20	11	Old Mich. D.
11	M	neſt man.	18	18	4	0	26	15	21	12	✱ ♄ ♀
12	Γ	In 1656, the	19	1 ♍	24	1	40	16	23	14	
13	W	Thames eb-	20	15	10	2	54	17	24	16	
14	T	bed and flow'd	21	29	24	4	39	17	25	18	
15	F	twice in 5 h.	22	13 ♎	58	☽ ſets		18	26	20	Somewhat
16	S		23	28	51	Morn.		19	28	21	☌ ♄ ☿ wet-
17	C	19 S. aft. Trin.	24	13 ♏	54	6 A	28	20	29	23	☌ ☉ ☿ tiſh
18	M	St. Luke.	25	28	58	7	20	20	30	25	& cold wind
19	T		26	13 ♐	54	8	2	21	♐	26	△ ♃ ♀
20	W	Devizes green	27	28	30	9	0	22	2	28	☌ ☉ ☿
21	T	Fair.	28	11 ♑	41	10	4	23	3	♍	□ ♃ ♀
22	F		29	26	38	11	12	23	5	1	
23	S		♍	10 ♒	9	Morn.		24	6	3	☽ Perig.
24	C	20 S. aft. Trin.	1	23	18	0	20	25	7	5	Some rain
25	M	St. Criſpin.	2	6 ♓	10	1	28	26	8	6	this week,
26	Γ	K.G.III. proc.	3	18	46	2	35	27	10	8	and turbulent
27	W		4	1 ♈	9	3	4	27	11	9	weather.
28	T	St. Sim. & Jude.	5	13	22	4	4	27	12	11	
29	F		6	25	26	5	5	28	13	12	
30	S		7	7 ♉	24	☽ riſes.		28	14	14	
31	C	21 S. aft. Trin	8	19	20	5 A	40	29	16	16	

Days now decline, and Cold comes on apace,
And Winter 'gins to shew her scurvy Face:
This points out Life when all its Bloom is gone,
And sev'ral Ailments are a creeping on:
One Part is weak, another Pain or Sore,
What we were once, alas! we find no more.

M D	☉ rises h.	m	☉ sets h.	m.
1				
2				
3				
4				
5				
6	6	26	5	34
7				
8				
9				
10				
11				
12				
13				
14				
15				
16	6	42	5	18
17				
18				
19				
20				
21				
22				
23				
24	6	55	5	5
25				
26				
27				
28				
29				
30				
31				

OBSERVATIONS.

By which I only saw a Speck without any perfect distinct Body, but on my using another Glass that would magnify about 10,000 Times I saw its Form but somewhat imperfect; but after trying it with a Glass that would magnify 20,000 Times I saw it perfectly well, and found it scaly, with a very thin Shell, in Squares, not any two of an equal Plan, with two short strong Legs, and a short pointed Snout not much different from a Mole's; 'tis with it that he makes Burrows in the scurf Skin, and at the Pores or Ducts for Perspiration it enters the Skin: This of late is become among the *Welch* People a common Notion, so they have given it a Name, and call it a *Groaning*. I could enlarge much more on this Point, but as no Man of Learning doubts of its being a Fact: These Glasses give us a full Account what these various Colours are found on standing Water, which are seen often yellow, red, or blueish; they are found by a tolerable Glass to be Crowds of small Animalcules, but vastly larger than those found in clear Water. Before I quit this Subject I will give you one Instance of an ocular Observation of my own; a Bit of Paste, which had been made three Days, was taken on the Nob of a new Pen no larger than the Dot on the Letter *i*, and put on one of those Glasses, and in an Instant appeared six or eight Eels of a moderate or smallish Size, briskly playing backward and forward. A very pretty Sight, but vastly surprising and entertaining.

I could

NOVEMBER hath xxx Days.

M D	♄ ♑	♅ ♐
1	23	℞
8	23	29
16	24	29
24	25	

Last Quarter the 7th day, 2 h. 54 min. morn.
New Moon the 14th day, 11 h. 47 min. night.
First Quarter the 21st day, 4 h. 24 min. morn.
Full Moon the 29th day, 6 h. 12 min. morn.

Proud Man, forbear, don't in the least pretend
By Art, or Strength, thyself for to defend.

M D	W D	Remarkable Days, &c.	☉ ♏	☽ ♊ h.	m.	☽ rises h.	m.	♂ ♐	♀ ♐	☿ ♏	Mut. Aspects and Weather
1	M	All Saints.	9	1	20	6	12	0	17	17	
2	T	P. Edward bo	10	10	12	6	58	1	18	19	All Souls.
3	W		11	25	5	7	34	2	19	21	☌ ♃ ♀
4	T		12	7	♎ 2	8	24	3	21	22	✶ ♄ ☿
5	F	Powder Plot	13	19	8	9	22	4	22	24	□ ♄ ♀
6	S		14	1	♏ 23	10	18	4	23	25	☽ Apog.
7	C	22 S. aft. Trin.	15	13	53	11	26	5	24	27	D. Cumb. bo
8	M		16	26	44	Morn.		6	25	28	
9	T	Ld. May. day	17	9	♐ 56	0	36	6	27	29	
10	W	at London.	18	23	30	1	48	7	28	♐	✶ ♃ ☿
11	T	St. Martin.	19	7	♑ 36	3	2	8	29	3	□ ♃ ♀
12	F	Day about 9 h.	20	22	13	4	19	8	♑	5	
13	S		21	7	♒ 10	5	40	9	1	6	Some moist
14	C	23 S. aft. Trin.	22	22	27	☽ rises.		10	2	7	air.
15	M	Day breaks a	23	7	♐ 44	5	A 48	11	3	8	
16	T	5 h. 36 min.	24	22	55	6	44	12	4	9	
17	W		25	7	♑ 50	7	46	12	6	10	♂ ♂ ☿ Cold
18	T		26	22	21	8	54	13	7	12	wind.
19	F		27	6	♓ 25	10	4	14	8	13	
20	S	Martin. day.	28	20	0	11	15	15	9	15	
21	C	24 S. aft. Trin.	29	3	♈ 8	Morn.		15	11	17	☽ Perig.
22	M	St. Cecil.	♐	15	54	0	24	16	12	19	☉. Mart. day.
23	T	St. Clement.	2	28	22	1	33	17	13	20	
24	W		3	10	♈ 36	2	38	18	17	22	
25	T	St. Catherine.	4	22	40	3	42	19	18	24	D. Glouc. bo.
26	F		5	4	♉ 37	4	46	19	19	25	
27	S		6	16	30	5	47	20	20	25	Wind and
28	C	Advent Sund.	7	1	20	6	46	21	22	27	some rain.
29	M		8	10	♊ 10	☽ rises.		22	23	28	✶ ♄ ♂
30	T	St. Andrew.	9	22	5	5	A 22	22	24	29	□ ♃ ☿

Nothing in Fields is now delightful ſeen,
But all's a meagre melancholy Scene:
This points out Life when all its Pleaſure's gone,
And evil gloomy Days come poſting on.
Aſk nothing now, for nought you can receive,
Or either Pleaſures you can take, or give.

M D	☉ riſes h.	m	☉ ſets h.	m
1				
2				
3	7	10	4	50
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16	7	38	4	22
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29	7	56	4	4
30				

OBSERVATIONS.

I could inſiſt on a vaſt Number more Inſtances of what I obſerved of theſe diminutive Creatures; but what is ſtill more wonderful to conceive, is that theſe Animals move and have Life, and conſequently muſt have ſomewhat to nouriſh or ſuſtain Life: Therefore we may learn by Analogy by what we find of other Creatures that we do know, hence we have nothing to queſtion but theſe Creatures I have been ſpeaking of have the ſeveral Organs and Parts external and internal that belong to and conſtitute a living Body; ſuch as a Stomach, Entrails, Heart, Liver, Brain, and all other Parts requiſite for Life: But then to ruminate on and think how ſmall theſe component Parts of an Animalcula are muſt confound our Imagination, and no human Conception can conceive it; ſo we muſt include it among the Wonders of an Almighty Wiſdom, whoſe Works no finite Being can underſtand. This is but a ſmall Part of the Knowledge we have gained, ſince the Microſcope has been invented; for what Man a few Ages ago, of the moſt extenſive Genius, by any human Learning knew, that Vegetable Procreation was like Animals, by different Sexes; or that of a Plant or Vegetable was incloſed in the Seed of it and is to be ſeen, a Reſemblance of the Plant that produced the Seed; I once ſaw it myſelf in Fern-ſeed: This is a clear emblematic Type of the Reſurrection, and its Certainty. Before we were bleſſed with this wonderful Invention the Microſcope, who were there among all the moſt learned Phyſicians or Philoſophers whatever, that underſtood that there were Animalculas in the Seed of Man pre-exiſtent? All which we find was utterly unknown to Hippocrates, Ariſtotle, Galen, and De Cartes, and all other great Searchers after the Secrets of Nature, even down to my Lord Bacon; not one in 5000 Years and more could ever conceive that the Origin of Generation was from an

Animalcula

DECEMBER hath xxxi Days.

Last Quarter the 6th day, at 1 h. 5 min. in morn.
New Moon the 13th day, at 10 h. 3 m. night.
First Quarter the 20th day, at 8 h. 7 m. at night.
Full Moon the 29th day, at 1 h. 12 m. morn.

M D	♄ ♑	♃ ♓
1	25	29
8	26	30
16	26	♈
24	27	1

From Cold and Want, and other Miseries,
Did not our Mother Earth yield Thee Supplies.

M D	W D	Remarkable Days, &c.	☉ ♐ h.	☽ ☌ h.	☽ ☌ m.	☽ rises h.	☽ rises m.	♂ ♐	♀ ♑	☿ ♑	Mut. Aspects and Weather.
1	W	St. Bridget.	10	3	49	6	A 10	22	23	1	Cold, mostly
2	T	Twilight ends	11	15	31	7	4	23	24	2	dry just now.
3	F	6 h. 6 min.	12	20	0	8	3	24	25	2	△ ♄ ☿
4	S	Day break.	13	10	♌ 16	9	6	24	26	3	☽ Apog.
5	C	2 S. in Advent	14	22	46	10	9	25	27	3	Cold stormy
6	M	St. Nicholas.	15	5	♍ 31	11	16	26	29	4	weather.
7	T		16	18	35	Morn.		26	30	5	□ ♄ ♂
8	W	Con. B. V. Ma.	17	2	♎ 0	0	28	27	♒	6	✶ ♅ ☿
9	T		18	15	53	1	43	28	2	6	
10	F		19	0	♏ 15	3	8	29	3	7	Some falling
11	S		20	15	0	4	18	29	4	7	□ ♅ ♂ wea-
12	C	3 S. in Advent.	21	0	♐ 7	5	30	♑	5	℞	ther near this
13	M	St. Lucy.	22	15	30	☽ sets		1	6	7	time.
14	T		23	0	♑ 43	5	12	2	8	6	
15	W		24	15	49	6	18	3	9	6	
16	T		25	0	♒ 33	7	20	3	10	4	
17	F		26	14	49	8	38	4	11	3	☽ Perig.
18	S	The Earth in	27	28	34	9	48	5	12	3	□ ☉ ♄ Cold
19	C	4 S. in Advent.	28	11	♓ 49	11	14	6	13	♐	□ ☉ ♅ and
20	M	its Perihelion.	29	24	38	Morn.		6	14	29	dry, cloudy.
21	T	St. Thomas.	♑	7	♈ 6	0	12	7	16	28	Shortest day.
22	W		1	19	17	1	18	8	17	27	
23	T		2	1	♉ 17	2	20	8	19	26	
24	F		3	13	10	3	33	9	20	25	
25	S	Christmas-day	4	25	4	4	24	10	21	25	
26	C	1 S. aft. Christ.	5	6	♊ 57	5	20	11	22	24	St. Stephen.
27	M	St. John.	6	18	44	6	20	11	23	24	
28	T	Ho. Innocents	7	0	♋ 43	7	10	12	24	23	14,000 Chil
29	W		8	12	48	☽ rises		12	25	22	dren slain by
30	T		9	25	8	5	42	13	26	22	Herod 'tis
31	F		10	7	♌ 21	6	40	14	27	21	laid.

This Month 'tis found a great Reſemblance bears
To ſhiv'ring Age, wearing Silver Hairs;
When Sight's near loſt, Limbs feeble found, or lame,
And all unhinged ſeems the human Frame,
And near extinguiſh'd is the vital Flame;
The Soul ſoon leaves its tott'ring Tenement,
Returns to God, from whence at firſt 'twas ſent.

D	☉ rises h.	m	☉ ſet h.	m
1				
2				
3				
4	8	4	3	56
5				
6				
7				
8	8	7	3	53
9				
10				
11				
12				
13				
14				
15				
16	8	11	3	49
17				
18				
19				
20	8	23	3	47
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31	8	10	3	50

OBSERVATIONS.

Animalcula found ſwimming in the Sperm like a Tadpole, of an infinite Number leſs than a Grain of Sand, whoſe Diameter is but the thouſandth Part of an Inch; on which Occaſion the following Poetry has been written:

To what dim Speck of Entity began,
T' extend its recent Form, and ſtretch to Man?
To what minute an Origin we owe
Young Ammon, Cæſar, or the great Naſſau?

Beſides, contrary to what all the ancient Phyſicians held, Man's Origin or Animalcula is in *Semine Marium et non in Fœminis:* So the Child has nothing of the original Rudiments of the Mother, ſhe only affords it Lodging and Nouriſhment (whilſt it is in Embryo), it conſiſts only of Matter, and is nouriſhed as a Vegetable is. Theſe late Diſcoveries are ſurprifing Myſteries to common Underſtanding, but 'tis lately found to be an undeniable Truth, and what the great Enquirers into Nature nothing doubt of; nor is it any way certain, thoſe Men that penned the Holy Scriptures rightly knew it, tho' in a few Places may ſeem to allude to it By Lewenhock's Microſcopes, theſe Animalculas are found the ſame.

In the Seed of all Creatures that have hitherto been enquired into, by the Help of theſe Glaſſes, we have found the very Flea has an Animalculæ; and alſo by theſe Glaſſes is much improved our Knowledge in the Circulation of the Blood, by viewing it move through a Fiſh's Tail, the globular Parts leaping along like Pepper-corns, and the Serium gliding along between more paler, it has made us better acquainted with the Motion of the Blood, which at every Syſtol or Beat of the Pulſe, which makes 70 or 80 Beats in a Minute, at each of which about one Ounce of Blood paſſes through the Heart; ſo 'tis computed that moſt of our Blood circulates twelve Times an Hour: But this is a Subject demands a Treatiſe of itſelf to deſcribe it minutely. From the Uſe of theſe Glaſſes we came to know the wonderful Texture of the Brain, and that there are Tubes from there that 800 of them are no bigger than a Hair; and alſo that there are Orifices in our Skin ſo ſmall that one Grain of Sand will cover of the Pores 128,000, which to a vulgar Conception may ſeem incredible. One Thing more I ſhall make a ſhort Remark on, and that is on the wonderful Fabrick of the Eye, found by the Microſcope to be made up of divers thin Scales, and theſe formed of one ſingle vaſtly ſmall Thread, wound round and round, ſo as not to croſs one the other in any Place or Part, and yet to meet in ſeveral different Centers, and as one has ſaid it is a Web not to be woven, an Optic Lens not to be framed by any Wiſdom but the Almighty's. The Eye hath ſix Coats, and three Humours ſo exquiſitely formed, that was it to vary in the leaſt Difference or Degree from what it is, it would not anſwer its End of ſeeing exact as it now does. A great deal more may be wrote ſhould I handle it as the Subject deſerves, but before I quit I ſhall well obſerve to you, had the Eye been more piercing or keener, many ill Conſequences would have attended us; we ſhould have found ſo many Things in our Way, which would ſeem ſo large as to oppose and prevent our Motion about, and was our Sight ſharper we ſhould have ſeen ſo many of theſe Animalculas I have been treating of, in our Water and Diet, that would have made both ſeem Phlegm to us, and made our Eating and Drinking troubleſome at all Times to us, and an infinite more Inconveniencies; as at preſent I muſt leave, and want Room to enlarge on

Of the Eclipſes for the Year 1773.

FOUR Times will the two great Luminaries be found eclipſed this Year, twice the Sun, and as often the Moon, to the Inhabitants of this our arraqueous Globe. The firſt will be of the Sun, March 23, at 28 Min. paſt Five in the Morning, inviſible to Great-Britain. The ſecond will be the Moon, April 7, in the Morning, about 35 Min. paſt Eight, inviſible to us of this Iſland. The third will be of the Sun, September the 16th, at 42 Min. paſt Nine at Night; but by Reaſon of the Moon's South Latitude, it will not be viſible in England. The fourth will be of the Moon, only viſible in England, September the 30th, in the Evening, as followeth:

	h.	m.	ſ.
Begin at	4	39	40
Riſe eclipſed	5	57	6
Middle at	6	2	53
End at	7	31	26
Digits eclipſed	7	32	

These Eclipſes you ſee here are all inviſible, ſave one, to us of this Kingdom; and the viſible one is not very conſpicuouſly large, ſo the Conſequence or Effects of it cannot be very eminent or remarkable, according to Precepts of Aſtrology. I hope but few of my Readers can want much Information touching Eclipſes, and what cauſes them: They were well known 300 Years before our Saviour's Time, both what occaſioned them, and how to calculate them; for *Thales* that noted Aſtronomer, ſupputated Tables for 500 Years to find the Sun and Moon's Place.

But this was only underſtood by the Learned. To let my vulgar Reader have ſome clear Notion of an Eclipſe, let him obſerve as followeth, which in ſhort is thus: The Eclipſe of the Sun is the Moon's paſſing over him in her periodical Revolution, ſome Part of his Body during that Time we are deprived of his Light; this can only happen at the Change of the Moon, and when in Conjunction with the Sun. The Eclipſe of the Moon, is when the Moon is oppoſite the Sun, or at full Moon, at which Time our Globe or Earth interpoſeth juſt between the Sun and Moon. Eclipſes will yearly happen as long as Time ſhall laſt; never more than ſix, or leſs than two: The Boundaries of theſe Occultations are 18 Years, 11 Days, 7 Hours, and 43 Min. The Calculation of an Eclipſe is the Perfection of Aſtronomy, and a Work that requires much Time, Care, and Skill. By Eclipſes has

been great Improvements made by the Aſtronomers; by them Men can to know in a great Meaſure the Diſtance of the Sun and Moon from the Earth, and the Magnitude of their Bodies, with a great Number of other celeſtial Phænomena, which have been traced out by Eclipſes, which is a Confirmation and Proof of the Truth of Aſtronomy. People in general look on Eclipſes as produced by natural Cauſes, yet their Events that follow have very important Effects, and many remarkable Accidents and Mutations have often ſucceeded moſt of them. In this Age of Ignorance and Infidelity touching Influences, People only gaze at Eclipſes, and that is all; but the learned and pious *Luther*, in his Comment on *Geneſis*, proves they are Signs of future Events, and Viciſſitudes of Calamities. Dr. *Mead* has ſhewn, that always ſick or infirm People grow worſe at the Time of an Eclipſe, and that not many Children live that are born at the Time of an Eclipſe. King *Charles* the Firſt was born when the Sun was 8 Deg. and 3 Min. in ♐, and on *November* 9, was an Eclipſe fell out in 8 Deg. 44 Min. of the Moon in ♊, the oppoſite Point to his Aſcendant; and he then living quickly ſaw the Event on him of that Eclipſe, the *January* following he was beheaded. Numerous more Inſtances I could produce of the like Nature on the Event of the Eclipſes, but ſhall decline it at preſent to enquire into the Events of this Eclipſe *Sept.* 30, as far as conſiſts with the Tenor of Aſtrology, and what ſome Experience has confirmed. But as this Eclipſe is not great, its Effects cannot be very formidable, but what we may probably find I am going to enquire into. The Eclipſe *September* 30th, at its middle Time about 7 Deg. 2 Min. of Aries will be found to aſcend, and the Moon in about 7 Deg. and 49 Min. of that Sign, may well be found to be Ruler of the Eclipſe in ♍. The Eclipſe will be moſtly in the Aſcendant in the Decanate of ♈. I ſhall not enter into a Diſquiſition of what different Authors have wrote on ſuch an Eclipſe, but confine myſelf to obſerve only what our *Engliſh* Merlin, Mr. *Lilly*, has wrote on ſuch an Eclipſe as above recited: It is uſually followed with divers Fevers, and as the *Deliquium* is in the Aſcendant this will light moſtly on young People; and many other Diſeaſes from Choler will be frequent; alſo burning of Houſes, and much Harm by Fire; and ſome Agitation for War, where it is already begun; but not violent or in Extreme, ♂ Lord of the Eclipſe in ♉ with ♀, according to this Art may denote much Laſciviouſneſs among many who mind ſenſual Pleaſures. But let Man be in what Sign ſoever, or in any Aſpect, the Vice of Luſt cannot more abound than of late in a great Part of our Kingdom.

'Tis now a reigning Sin, that ſways full ſore,
Marriage, that check'd it once, is now no Cure

Judicials on the Four Quarters of the Year, and first on the Brumal or Winter Quarter,

WHICH commenceth *December* 21, at 4 in the Morn. 37 Min. and 1 Sec. at which Time was a Figure to be erected, about 17 Degrees of ♐ would aſcend, and 6 Degrees of ♏ be on the Mid-Heavens. Before I proceed on my Judicials on this Quarter, I have made choice to treat on ſome Errors and Abuſes relating to the Art of Aſtrology; which I offer or recommend to ſome young Tyros in that Art, and alſo to ſome older Practiſers in Aſtrology; which is an Art of great Antiquity, Uſe, and Excellency; which in Length of Time is obſcured and over-run with groſs Abſurdities, and made to conſiſt of a Jargon of confuſed Notions, of which a great Part bears no Analogy to Reaſon, or the true Art. I have been converſant in Aſtrology many Years, and have obſerved many excellent Truths in it: But, on the other hand, I have found that Heathen Authors and other ſuperſtitious Writers have introduced Things incoherent and quite abſurd from the true genuine Art; and added a ſpurious Doctrine, ſaid to be learnt from the Stars, wherein the Stars are not in the leaſt concerned, or have any Influence at all, aſcribing to the Stars a Power they cannot effect, and ſo cauſing Men to confide in them too much, bordering on fatal Neceſſity, and often uſing the Stars for ſortilegious Curioſity, no way allowed by the divine Precepts, or having the leaſt Foundation in true Philoſophy for it; all which is entirely forbidden, as it tends to diabolical Science: And many other illicit Uſes, not deduced from the Stars, which have been foſtered up and merely forged, foreign to the true Art; and ſeveral of our modern Authors do publiſh Things, ſaid to be Judgment from the Poſitions or Configuration of the heavenly Bodies on Things they never can effect, or can foreſhew any Event at all. One of our annual Writers predicated, that in the Year 1750 would be the Time of the calling of the Jews; which, when failed, it was by him poſtponed 16 Years to come; which ended like the firſt Prediction, in nothing but vain Words. 'Tis ſtrange, Men pretending to Reaſon, ſhould broach ſuch inconſiſtent Notions, ſo improbable and abſurd, from any Knowledge to be learnt from the Stars, and what no one is able to reveal, but muſt ſtill remain a Secret in the Court of Heaven, till the dark Womb of Time ſhall reveal it. That the Jews will be called, I firmly believe; but no Stars will ever declare the Time of it. I and others are of Opinion, that ſome viſible Signal will be ſeen in the Heavens at or juſt before the Time. And 'tis reaſonable to expect the Downfal of the Turks firſt will happen. Many other Things of infinite more Weight have been pretended from ſome of this Kind of Learning to be foretold; as the Time of the End of the World. One has given it out it would happen in 1656. *Brightman* and *Papier* were of opinion, (tho' very abſurdly) about 1688, or 700,

would be the End. *Picus Merandula* fixed the final Catastrophe to be a bout the Year 1728; and many others have as idly and impudently co cluded it is like to happen when the fixed Stars have made one Revolution and as they are found to move but 50 Seconds a Year, that Time will ta 25,920 Years; which is an empty Notion, altogether idle; and as strang it is, that Men of great Penetration and Learning should ever pretend conjecture about the Time; and that Man, made inferior to the Angel should pretend to know more than they. I have much more to say this Subject, but I have deviated more already from my last Theme th I intended. I have been treating on the Corruption and Abuse of Ast logy, but the true Art in its original Purity is most excellent and usef and of great Antiquity, and founded on as sound Principles as any Art, a believed to be understood by *Adam*, *Abraham*, *Moses*, *Job*, *Solomon*, *Dani* and many other good Men; and since allowed of by Universities, Princ Sages, and Philosophers; and is found greatly necessary in Physick, and more Certainty tho' most conspicuous in the Influence that has confirmed so. But as Room grows short, I shall close this Discourse with what eminent Poet has said on starry Influence, with a small Variation,

That Man is mad, who impudent denies,
What to sound Senses clear apparent lies;
And pretends to hold a Disputation
Against Experience, and good Observation;
And such is He who does affirm the Stars
To have no Power on Earth, Inferiors.

I Shall directly go on to make ſome conciſe Remarks on the Winter Quarter, ♍ is found to aſcend in ♂ Lord of it. Here are very few Aſpects at this Ingreſs, only the ☉ in ✶ to ♃; ſo here are no Grounds from Art to predict any notable Event; but National Affairs will moſtly at this Quarter continue in *Statu quo* (much the ſame): There are ſcarce any Aſpects at this Ingreſs; the ☉ in ✶ to ♃ may, agreeable to Art, ſignify ſome Advantage to ſome Eccleſiaſtic, or religious Perſon, that will meet with Profit and Honour; but now-a days for one that lights on Honour or Profit on Account of Religion, others meet with it that have ſcarce any Religion at all. The Moon at this Ingreſs is nearly in ☌ with ♀, and may denote ſomewhat of Pleaſure or Advantage to the common People; but the ☽ applying to a □ of ♂, who is Lord of the ♋: This according to what is to be learnt from the Planet, muſt ſignify Determents, Sickneſs, and Pain. This is a common Caſe, our Pleaſure is ſoon interrupted by ſome Diſaſter or other, and oft by Sickneſs or Pain.

Pleaſures and Pain all Mortals will attend,
But Pleaſure ſinks, and Pains will ſtill aſcend.

Some perhaps may aſk what Diſeaſes may be moſt in Riſe this Quarter; if I conjecture right the Small-pox and various Fevers, and as ♂ the affecting Planet is in ♌, ſome Diſeaſes that affect the Heart, as Swooning and Palpitation, &c. So much for the Winter Quarter.

Some Obſervations on the Spring Quarter,

WHICH this Year, by Mr. *Leadbetter*'s Tables, comes *March* the 20th at 6 in the Morn. 47 Min. 29 Sec. at which Time the great Luminary and *Anima Mundi* toucheth the ✱ Aſteriſm of Aries; at which Time will be found 25 Deg. 23 Min of ♈ to aſcend, and about 10 Deg. of Capricorn culminating. I ſhall not pen down the Planet's Poſition, any Artiſt can do it; and as to others 'tis inſignificant; he that will inſpect how the Planets are ſited, will find at this Ingreſs an ☌ ♄ and ♀, and ☌ of ♃ and ♀ takes Place. Was I minded to erect a Figure for this Quarter, and place the Planets in their Houſes, I might from thence predict ſome great Mutations, or violent Changes in Foreign Kingdoms, as *Poland*, *Ruſſia*, or in *Turky* and *Germany*, &c. as ſome do and will, and fill credulous People's Heads with admiring Amuſements, which are groundleſs, void of Reaſon, and bear little or no Affinity to Truth. Although many ancient Writers have produced Judgment this Way from the Stars, and wrote it down as an infallible Maxim which I do ſcarce believe, and ſo am not willing to impoſe on other People to credit it. For who was it among the ſtarry Miniſters that prognoſticated any Thing laſt Year of the Cataſtrophe touching the Queen of *Denmark*? all were ſilent. But however, I ſhall not decline ſome Judgment on this Quarter. The ☌ of ♄ and ♀, agreeable to Obſervations of ancient Aſtrologers, do foretel that ſome Woman will leave her Huſband's Bed, and other Women want to change their Huſbands. But this is become ſo natural a Cuſtom, that it will be ſcarce looked upon as a Prediction. The ☌ of ♃ and ♀ and the ☽ in the 12, may denote a Reconciliation of Enemies, and a forgiving Temper among many, and happy Marriages; *ergo*, a good Time to marry. ☌ of the ☉ and ☿ within Orbs at the Spring Entrance, point out being in the 12th Houſe private Miſchiefs, ſometimes Money ſpoilers, as will be diſcovered near the End of the Quarter. ♂ is in □ to ☿, which denotes much Diſorder among vulgar People given to Lying, and which will ſtir up Strife. The ſame Aſpect ſignifies a Glut of Rogues and Robberies; which Buſineſs the Hangman muſt end.

As long as Rogues and Villainy doth ſway,
The Hangman's Trade will ſuffer no Decay.

In further Enquiry into Planetary Effects I find ♂ in the ♋ weak no way in evil Aſpects; then, unleſs I deviate from Art, I ſee no Symptom for War to be near at hand. So I proceed to the Summer Quarter.

Sum

Some Judgments or Observations on the Summer Quarter,

WHICH initiates *June* 21, about 3 Min. past Noon; at which Time the Sun toucheth the Northern Sign ♋, or more really our Earth; Capricorn then makes our Days at their greateſt Length. At this Ingreſs the Planets will be found as followeth:

	House.		o.	m.		
♄	in 12	in	7	52	in	♍
♃	in 7	in	6	55	in	♈
♂	in 11	in	4	near	in	♍
☉	in 10	in	0	0	in	♋
♀	in 9	in	4	10	in	♋
☿	in 9	in	21	4	in	♊
☽	in 10	in	10	34	in	♋.

After this Stile an Artiſt will find the celeſtial Wanderers at this Ingreſs; no Aſpect but ♃ and ♀ in ♊, and the Sun near in ☌ with ♀, and the ☽ near to a ☌ with the Sun, the Aſcent is 30 Deg of ♍ and 30 Deg. of ♊ on the 10th, agreeable to the Precepts of Aſtrology, the Aſcendant and the ☽ denote the common People, the 10th Houſe and its Lord, and the Sun ſignifies Kings and Men in Power; if ſo the ☌ of the Sun and ♀ and the Moon near both, ſhew Pleaſure, Peace, and ſeveral Advantages to Kings, and great Men, eſpecially Northward, and at Home too, if their Nativities concur at this Ingreſs; alſo I find a □ of ♃ and ♀, which if the Effects as this Art doth indicate, ſhew ſome Diſcord or Controverſy among ſome Perſons of Note, which pretend to ſtickle for or [illegible] about Religion, and Things of divine Orders, when moſt of them have but little Concern for true Religion, or religious Practices; but out of a Spirit of Pride, Perverſeneſs, and merely to cavil and oppoſe others. Mercury is found at this Criſis under the Sun's Beams haſtening to a ☌ with ♌, as may denote many diſagreeable Diſputes about *London*, ☿ being in the 9th, ſhews Merchants will find the ill Effects of this ☌ with the Sun, by ſome Bankruptcy, a Thing not uncommon now-a-days, alſo may have ſignification that ſome Officer or Embaſſador ſignified by ☿ to be under the Frowns or Anger of his Governor; but *particularia prædicit niſi Numine divino affiatus.* Mercury is haſting to the □ of ♃, and the Sun to ♃ ſqua. ♃ Lord of the 6th is afflicted by 3 Planets, and muſt according to this Art denote that many Diſeaſes will be frequent this Quarter, ſuch as Pleuriſies, Quinſies, and Small-pox, Head Pains, Convulſions, &c. and many Stomach Complaints cauſed by Intemperance.

Where People eat and drink without Reflection,
They muſt expect ſome bodily Affliction.

Touching

Touching the Autumn Quarter.

WHEN the Sun toucheth the firſt Scruple of the Balance or Libra, which by Calculation I found is *September* the 22d, at 7 Hour 3 Min *poſt Meridiem*, at which Time 8 Deg. and about 8 Min. aicend, and 6 Deg. of ♍ on the Mid-heavens. I ſhall not inſert the Planets Places, any Artiſt may find that out in *September* Page, only I ſhall keep a mental Notice of them. Their Aſpects are as followeth, a ☌ of ♄ and ☿ a ☍ ☉ and ♃, and ☌ of ♂ and ♀, (all within Orbs at this Ingreſs.) Theſe Aſpects are of a malignant Nature, which do afford Matter ſufficient for Judgment: I ſhall firſt examine into the ☌ of ♄ and ☿, which is allowed by all Authors verſed in this Science to point out treacherous Servants; ſuch as mind their own Intereſt only, and neglect their Maſter's; and ſome clandeſtinely will purloin from their Maſters, and raiſe themſelves on the Ruins of their Maſters. The ☍ of the Sun and Jupiter, may import much Diſcord and Controverſies, and vexatious Contentions among or between Stateſmen and the Clergy, and ſome great Men belonging to the Law, and perhaps ſome Attack on our Religion or ſacred Orders of our Church, as now eſtabliſhed. Such an Attempt has been lately aimed at to invade or ſubvert the 39 Articles of our Faith, which have continued inviolable againſt all Oppoſitions ever ſince the happy Reformation, two Centuries near ago; which were compiled and eſtabliſhed by Men of the greateſt Zeal, and true Piety more than we find now-a-days for the moſt Part that make a Shew of Religion. But we have great Reaſon to hope, and bleſs God we have a gracious King, the Defender of our Faith, who will ſuffer no Innovations in our Church's Diſcipline. At the Entrance of this Quarter ♂ and ♀ are in a ☌; almoſt all that give Judgment from the heavenly Bodies, predict on ſuch an Aſpect, a Time ſome People will be ſtimulated to Luſt or Laſciviouſneſs, but never penned down one Bit of Reaſon for it Aſtrological or Philoſophical, I ſhall a little animadvert on it. All that underſtand this Art know, that Mars and Venus are op-

poſite

posite in every Thing; their Houses are opposite, their Sex different; one Masculine, the other Feminine; one is hot, the other cold; one a Fortune, the other an Infortune; so there seems to be a perfect Antipathy between Mars and Venus: But we observe in the Commonwealth of Nature, that they sympathize in all Operations in Nature's Works, and so harmonize as Harmony is found from Discords Chiefly Mars by his Heat stirs up and prepares Matter for Procreation, which he alone would dry up and consume; but when conjoined with Venus, she is cold, temperates with Mars's Heat, and uniting their Qualities, they help forward to generate and to multiply. This is a short Sketch of an Astrological Reason how these Planets operate on Nature; to one ignorant of Astrology, it will be looked upon as idle Prate. What is said of the Influence of ♂ and Venus, are in a much greater Degree found in the Influence of the Sun and Moon, and daily to be learned, which I would but cannot enlarge on here. I shall not, as Room grows scanty, launch out in my Prognosticks what is like to befal Foreign Kingdoms, you will find it sufficient in others Writings; from the above Aspects it is reasonable to conclude three Planets in the 6th, whence those bad Aspects are found, will find many Diseases this Quarter will abound among Poor and Rich mostly in the Bowels, Colics, and windy Complaints, and Diseases of the Reins, Gravel, and the like, and the Venereal Disease; and some Sickness among great Cattle. So as I am obliged to draw towards a Conclusion, as formerly I shall nominate what Days I expect Rain, that Day, or Day before, or Day after; not many missed last Year, if any. The Days to observe are as followeth: In 1733, Jan. 15, Rain or Snow. Feb. 7th and 12th, April 4 and 22, May 1 and 20, Rain. June 4 and 28, Aug. 24, Sept. 9 and 28, Rain, if not Thunder. Oct. 1 and 7, Rain. Nov. 10, Dec. 13, or 18. So for this I conclude with my Prayers for his Majesty King GEORGE, and all the Royal Family; and God grant him Wisdom, Health, and Prosperity; and to all his Council Love, Integrity, and true Patriotism. *Amen, Amen.*

Some OBSERVATIONS on the SUN.

Cæla enarrant Gloriam Dei.

THAT the Heavens declare the Glory of God, no Truth is more certain and evident, and what all Nations and People muſt ſubſcribe to, (except the fooliſh Atheiſt, and he may ſeal up his Mouth perhaps;) although all the Works of Creation do diſplay the Handy-work of an all-wiſe and powerful Being, yet nothing appears more glorious and conſpicuous than the Sun; ſo that the moſt Learned among the Heathens fitly form'd the Sun *Anima Mundi*, or Soul of the World. For he is the great Enlivener and Preſerver of all Beings, Animal and Vegetable; and of ſuch abſolute Neceſſity to all the Works of Nature, that without him nothing could ſubſiſt any Time; and as one has ſaid, ſuppoſe it could, what a miſerable Condition would it be in to live in Darkneſs? Which would be impoſſible to be long; the Air would putrify and be full of hateful and noxious Dews, the Water would ſtagnate and become corrupted; neither would there be any Rain, ſo conſequently no Food for Man or Beaſt. In ſhort, nothing living could live: It is the benign Heat of the Sun, that aſſiſts all the circulating Fluids and the excretory Ducts, for Perſpiration and many other neceſſary Aids towards the Circulation of the Blood. So the Sun is found as needful to the Microcoſm as to the Macrocoſm, but neither would ſubſiſt were he abſent. The Sun is as a Monarch fixed on his Throne, or Center of our Syſtem, diffuſing his Light and Heat not only to our Globe, but to ſix Worlds beſide, who have no Light of their own, even as far as the Planet Saturn; which is allowed to be Seven Hundred and Seventy-ſeven Millions of Miles from the Sun, about nine Times farther than our Earth is from the Sun; ſo the Inhabitants in Saturn have a very ſmall Heat from the Sun, and he gives but a ſmall Light to them; but they enjoy five Moons

Moons to ſupply the Sun's Deficiencies. Beſides, the Sun by his powerful Attraction keeps the whole Syſtem of the Planets in that harmonious Order we obſerve in them; which was it not for the Sun would fly off by their projective Force in Tangents, and ſo continue and be loſt to us, and our Earth would do the ſame. The three wonderful great Properties of the Sun, are Attraction, Light, and Heat; which are Qualities nothing in the Univerſe is endowed with beſides. All the Light and Properties we have from the Moon, are derived from the Sun. In ſhort, the Sun bears a great Image of his Maker, a juſt Emblem of the Father of Lights; and ſome Men have taken the Sun to be the Seat of the Bleſſed, from *Pſalm* xix. Ver. 4. but this I leave to thoſe Men more inſpired. The beſt Philoſophy we have touching the Sun is, that he is compoſed of a liquid Fire, continually in Motion, turning round like a Mill-ſtone in twenty-five Days and about a Quarter, on his own Axis. This is learned by good Teleſcopes, where Maculæ or Spots are found in the Sun, which ſometimes vaniſh, and others appear again; tho' the great *Huygens* don't allow it, *Quot Homines tot Sententiæ*. Aſtronomers are vaſtly divided about the Diſtance of the Sun from the Earth; ſome make it 12,000, and ſome more than 13,000 Diameters of the Earth from the Earth; ſome have aſſigned the Sun's Diſtance from the Earth to be 76 Millions of Miles, others 54 Millions, and others but 5 Millions of Miles; ſo we can fix no Dependency. The ſame Variety of Miles is found concerning the Magnitude of the Sun's Diameter. Mr. *Leadbetter* writes the Sun is 258,309 Times bigger than the Earth; and ſome ſcarce allow it to be the odd Hundreds of Times bigger than the Earth; (as it don't concern our Faith, we may refuſe to allow any of theſe Definitions to be really true:) But from this we may obſerve how vaſtly wide and wild Men are, when they build on Conjectures only, in Things where Demonſtration cannot be had; and ſo extravagantly differ in their Accounts of the Diſtance and Diameter touching the Sun. That the Sun is fixed, no one that has the leaſt Idea of Aſtronomy, or Notion of the heavenly Bodies, does pretend to queſtion. What is ſaid in Scripture, is to be referred only to the Appearance of the Sun, and to common People's Capacity. The Scripture doth determine but little Certainty in many Sciences. We learn from Geometry, that was the Sun to move it would be 258 Years

Years before he would complete one Revolution. This is one Proof, and a great one too, that he is fixed; and ♄ ♃ and ♂ above him, and ♀ and ☿ and the Moon below him; were it not ſo, all our Syſtem would be found irregular, and in a confuſed Order. In the Winter, when the Sun is in Capricorn, our Globe of Earth is ſuppoſed to be ſome Hundreds of Thouſands of Miles nearer the Sun, than in Summer; which ſeems evident enough, in that we behold the Diameter of him much larger in Winter. I might exhibit ſomewhat more, was Room larger, to ſhew how the Moon diſplays the Wiſdom, Glory, and Goodneſs of God. Tho' ſhe affords us no Heat, ſhe ſerves as a glorious Lamp, to direct us in the Night; and in the Winter, to ſupply our ſhort Days; how comfortable as well as neceſſary is the Moon found to be, to all Travellers by Sea and Land; beſides her great Uſe in producing our Tides twice in 24 Hours; which, was it not ſo, our Water would ſtagnate and grow poiſonous, and ſo all Fiſh come to a total End. The Moon's Situation is no leſs wonderful for our Benefit; was ſhe nearer, our Tides would endanger us with too much Water; if further off, our Atmoſphere would be full of hurtful Vapours, and bad Storms ariſing from the Seas. Tho this Subject demands ten Times more than my Room will admit, yet next Year you may expect more if God permits me to write on this Subject.

FORGOT, and not Room left, I give the Anſwer to the Paradoxes laſt Year. One was the Word *Not*; the other was about Money, when old large mill'd Money was 3*s.* 6*d.* and was took, or made out of a Half Crown.

Let this acquaint Gentlemen, and Others,

THAT the ingenious Mr. *Iſaac Tarratt*, of *Epſom*, has to diſpoſe of a very curious and elaborate Plan of all the ſible Eclipſes from the Year 1766 to 1800, never exhibited efore, worthy the Inſpection of the moſt Learned, Price 2s. Sold by Mr. Rybright, Mathematical Inſtrument-Maker, in e Poultry, London,

This is to acquaint Gentlemen and others, that have any enius or Inclination to ſtudy Aſtronomy, That the Author of is has got a Set of Aſtronomical Inſtruments to diſpoſe of, in- nted by Mr. *Leadbetter*; whereby an Artiſt may calculate as uch of a Planet's Place in one Hour, as in a whole Day by e Table. They are to be ſold at a moderate Price.

Let this inform the Public, That the Author of this Speculum, .S. licenſed Phyſician and Surgeon between Thirty and Forty ears, *&c.* does continue his notable approved Dentrifice to eanſe, preſerve, and ſtrengthen the Teeth; and takes away and revents all ſcorbutic Eroſion that putrify and decay the Gums, d will preſerve the Teeth in their Beauty, and ſtrengthen any to old Age, as Thouſands can teſtify. And he has for Years and more cured Wens, if curable, without cutting. e alſo prepares a Specific for the Convulſion Fits, which has red when all common Medicines have failed. And prepares Hans Sloan's famous Ointment for ſore Eyes.

FINIS